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Fifteenth census of the United States

Washington

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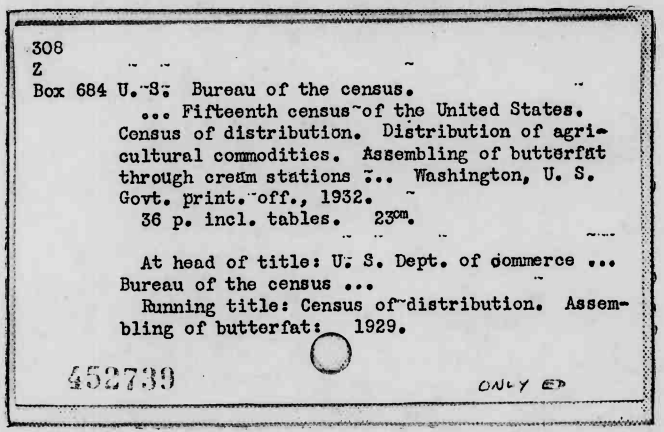
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Census of distribution. Distribution of agricultural commodities. Assembling of butterfat through cream stations ... Washington, U. S. Govt. print. off., 1932.
36 p. incl. tables. 23cm.
At head of title: U. S. Dept. of Commerce ... Bureau of the census ...
Running title: Census of distribution. Assembling of butterfat: 1929.
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FIFTEENTH CENSUS OF THE UNITED STATES

CENSUS OF DISTRIBUTION

DISTRIBUTION OF AGRICULTURAL COMMODITIES

ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS

Distribution No. A-201

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UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1932

FOR SALE BY THE SUPERINTENDENT OF DOCUMENTS, WASHINGTON, D. C.

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ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS

INTRODUCTION

This report on the assembling of butterfat by cream stations and concentrators is one of a series of reports on the distribution of agricultural commodities. The statistics were collected in 1930 as a part of the Census of Distribution, in connection with the Fifteenth Decennial Census, and the data presented are for the year 1929. The report presents the data on this business by States and counties. This report was prepared under the supervision of Robert J. McFall, chief statistician for distribution, and Charles D. Bohannan, in charge of agricultural and rural distribution.

How the data were secured.—The data were secured from creamery-butter manufacturers on a special schedule form, prepared specifically for this purpose after consultation with leading individuals and firms in the creamery-butter business. Each manufacturing creamery was asked to indicate whether or not it received butterfat through cream stations, and if so to report separately for each of its plants the number of cream stations shipping to said plant, together with the address of each such station, the name of the operator, the pounds of butterfat received therefrom, and the value of the butterfat. In addition, each manufacturing creamery was asked to indicate in each case whether the operator of the station operated on a salary or commission basis; whether he was an independent dealer; or whether the cream station was operated by a cooperative association. Further, the creameries were asked to report the total salaries, wages, and commissions paid to the operator of each such station.

In addition to the details on cream stations, each creamery also rendered a report by plants showing the number of other cream buyers, if any, from whom the plant received cream during 1929; the number of such buyers who were independent dealers and the number operating on salary or commission basis, together with the total receipts of butterfat from such cream buyers.

In a similar manner the manufacturing creameries reported for each concentrator which they operated during 1929, giving the location of the concentrator, the number of employees, the expenses, and the quantity and value of the butterfat received therefrom.

In addition to the above special reports received from the creameries, the regular Census of Distribution reports were received from a number of persons, firms, and cooperative associations which operated cream stations but which were not included in any of the special reports received from manufacturing creameries.

Definition of terms used.—The term "creamery" as used in this report refers to a concern engaged in the manufacture of butter. Such creamery companies may operate one or more butter-manufacturing plants, and these manufacturing plants are referred to in this report as "plants."

A cream station is a place where cream (either sour or sweet) is received from producers on the butterfat basis and is forwarded to some creamery butterplant for manufacturing into butter.

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A cream station is a place where cream (either sour or sweet) is received from producers on the butterfat basis and is forwarded to some creamery butterplant for manufacturing into butter.

The term "cream station" as used in this report includes cream stations operated by butter manufacturers, cream stations operated by storekeepers and others engaged primarily in some other business, cream stations operated by persons or firms not connected with a creamery, and cream stations operated by cooperative associations of producers. The cooperative cream station generally ships the cream for its members to one or more creameries, and on receipt of the checks therefor makes disbursement to each member for the value of his cream. The operator of each of the other types of cream stations purchases cream from the farmer, tests it for butterfat content, and ships the cream to some creamery. In some cases the retailers or other cream station operators purchase cream outright and resell it to some creamery, and in other cases they operate on a salary or fixed fee or commission basis, the latter method being most prevalent in the principal cream-producing regions. Such cream buying is done in connection with a number of kinds of business—grocery stores, general stores, hardware stores, farm-implement stores, elevators, and the like.

The term "concentrator" as used in this report refers to what are essentially large cream stations operated by the creamery companies, and located at points where relatively large quantities of cream are available. The operation of concentrators makes possible certain economies in the handling of cream, especially in connection with transportation.

It should be noted that not all of the butterfat from any county or State is necessarily shipped through cream stations or concentrators, since many creameries are so located in the cream-producing regions as to be able to obtain their cream supply direct from the farmers. Further, many of the larger creameries located at some distance from the source of supply also receive all, or a considerable share, of their cream by direct shipment from the producers.

Relative importance of the cream station business in the various States.—Table 1 presents a summary of the cream-station business in the United States on a State-summary basis. As indicated in that table, the 25,927 cream stations which were reported by creamery plants shipped a total of 381,460,969 pounds of butterfat in 1929, having a total value of $163,822,794. In addition, these same reporting creamery plants received a total of 19,590,291 pounds of butterfat, valued at $8,457,582 from 267 concentrators. Also, butterfat valued at $4,898,462 was shipped by cream stations not reported by any creamery. Since the regular distribution forms did not provide space for entering the amount of butterfat purchases, it has been necessary to estimate the amount on the basis of the average price of butterfat paid by other cream stations in the respective counties. For this type of cream station in all States the amount of butterfat is estimated at 11,616,967 pounds. Altogether, there were 403 stations of this type reported. These three items make a grand total of 412,668,227 pounds, valued at $177,178,838.

From the standpoint of the number of cream stations the States fall into three groups. First, there are 30 States in which there are a sufficient number of cream stations so that the data can be shown on the State basis. Second, there are seven States which, while they contain cream stations, do not have a large enough number of them so that the data can be separately shown without revelations of individual businesses, but the data are included in the United States total. Third, for 11 States there are no cream stations reported.

Presentation of data for the important cream station States.—Of the 30 States in the first group there are 11, Alabama, Louisiana, Mississippi, New Mexico, Oregon, Tennessee, Utah, Virginia, Washington, West Virginia, and Wyoming, for which the data can be presented only on the State basis. For the remaining 19 States, which constitute the most important cream station States, the data are presented in the various tables on the following basis: For each of these

States there is presented a detailed table, showing for the State as a whole, and for each county where possible, the number of cream stations reported by creameries, together with the total amount of butterfat; the value of the butterfat; the total amount of cream sold as butterfat by the farmers in the State and in the county, with the value thereof as reported by the Census of Agriculture, 1930; the percentage which the cream station shipments form of the total farm sales of butterfat; the number of stations operated on the commission basis, on the salary basis, and/or as independents, together with total salaries, wages, and commissions. In addition there is shown the number of plants which reported the receipts from these cream stations, and this is further subdivided to show the number of creameries which were located in the State and the number which were located in other States. Following this detailed table by counties on cream stations as reported by creameries there is shown for the State as a whole the number of cream stations not reported by creamery companies, together with the data on the amount of butterfat, value, and salaries, wages, and commissions. Likewise, the data on concentrators are so presented as to show the total number in the State, and the total value and volume of the butterfat handled.

In the case of a few counties the total amount of butterfat reported as shipped by cream stations exceeds the amount of butterfat reported by the Census of Agriculture (1930) as sold by the farmers of those counties. This is probably accounted for by the purchase by cream stations, in those counties, of butterfat from farmers living in adjacent counties. The amount of butterfat handled by a cream station may vary from a relatively negligible amount; i. e., only a few hundred pounds to a rather considerable business, running up to several thousand pounds.

All of the cream stations in any given State do not necessarily ship their butterfat to creameries within that State. For example, in the State of Nebraska the cream stations shipped to 58 different creamery plants, 36 of which were located in Nebraska and 22 in other States. In like manner the 36 Nebraska creamery plants, which reported the receipt of butterfat from cream stations, received part of this from 1,981 cream stations in that State and part from 1,595 cream stations in other States.

TABLE 1.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—UNITED STATES SUMMARY: 1929

[An (x) indicates that the amount must be withheld to avoid disclosure of individual operations, but it is included in the totals]

	STATE	Number of cream stations reported by creameries	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES		CREAM SOLD AS BUTTERFAT BY FARMERS IN STATES INDICATED (CENSUS OF AGRICULTURE)		Per cent of farm sales reported by cream stations	NUMBER OF CREAM STATIONS OPERATED ON VARIOUS BASES		
			Pounds	Value	Pounds	Value		Commission	Salary	Independent
1	**United States**	25,927	381,460,969	163,822,794	1,156,744,061	527,223,821	33	23,352	979	1,596
2	Alabama	45	319,077	139,505	1,808,392	767,548	15	42	2	1
3	Arizona	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
4	Arkansas	603	3,668,273	1,524,822	8,964,934	3,750,052	41	576	2	25
5	California	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
6	Colorado	350	7,349,613	3,003,193	17,208,287	7,149,445	43	345	1	4
7	Connecticut									
8	Delaware									
9	Dist. Col.									
10	Florida	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
11	Georgia	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
12	Idaho	166	6,159,136	2,716,596	17,416,690	8,006,482	35	149	12	5
13	Illinois	2,020	31,564,274	13,613,415	50,631,156	22,251,128	62	1,728	86	206
14	Indiana	1,243	22,361,246	9,907,109	41,255,624	18,545,950	54	984	207	52
15	Iowa	2,382	38,445,185	17,272,189	140,520,819	65,856,789	27	2,150	74	158
16	Kansas	2,559	37,483,442	15,884,535	57,133,252	24,242,641	66	2,388	76	95
17	Kentucky	998	11,336,495	4,648,644	22,636,231	9,687,147	50	963	25	10
18	Louisiana	27	92,958	36,249	715,166	286,336	13	24	2	1
19	Maine									
20	Maryland	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
21	Mass									
22	Michigan	964	13,023,763	5,959,783	46,713,496	21,800,526	28	803	55	106
23	Minnesota	1,206	19,422,023	8,683,923	198,797,718	96,018,988	10	1,093	62	51
24	Mississippi	99	1,464,281	575,696	4,608,441	1,913,530	32	92	7	
25	Missouri	2,837	30,256,127	12,843,270	55,672,669	23,936,143	54	2,498	34	305
26	Montana	154	3,367,882	1,396,721	13,868,373	6,008,055	24	148	1	5
27	Nebraska	2,253	33,533,620	14,225,817	52,792,294	22,515,779	64	2,135	45	73
28	Nevada									
29	N. Hampshire									
30	New Jersey									
31	N. Mexico	102	1,449,931	598,065	3,018,601	1,237,997	48	94	5	3
32	New York									
33	N. Carolina	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
34	N. Dakota	1,440	25,086,062	10,963,937	47,519,470	20,887,030	53	1,391	13	36
35	Ohio	1,120	19,648,336	8,442,575	45,682,890	20,648,759	43	873	114	133
36	Oklahoma	1,620	21,158,445	8,704,386	33,145,029	13,541,759	64	1,491	33	96
37	Oregon	67	2,785,445	1,328,640	19,956,891	9,426,711	14	60	6	1
38	Pennsylvania	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)
39	Rhode Island									
40	S. Carolina									
41	S. Dakota	1,112	24,027,468	10,350,861	50,438,485	22,061,842	48	1,020	37	55
42	Tennessee	302	2,070,718	859,064	10,119,699	4,255,700	21	290	5	7
43	Texas	1,583	11,668,707	4,556,349	28,701,033	11,363,589	41	1,467	33	83
44	Utah	128	3,957,724	1,658,829	6,049,420	2,712,467	65	116	11	1
45	Vermont									
46	Virginia	36	1,048,260	419,971	6,698,479	2,841,353	16	33	3	
47	Washington	50	1,609,160	739,667	19,595,087	9,456,040	8	39	11	
48	W. Virginia	28	440,239	177,840	4,061,031	1,830,946	11	26	1	1
49	Wisconsin	258	4,800,155	2,089,943	99,492,205	49,154,525	5	170	6	82
50	Wyoming	90	1,132,312	460,482	4,886,289	2,193,660	23	89		1

Total salaries, wages, and commissions paid cream station operators	NUMBER OF PLANTS TO WHICH BUTTERFAT IS SHIPPED BY CREAM STATIONS			BUTTERFAT SHIPPED BY CREAM STATIONS NOT REPORTED BY CREAMERY COMPANIES		BUTTERFAT SHIPPED BY CONCENTRATORS		TOTAL BUTTERFAT SHIPPED BY CREAM STATIONS AND CONCENTRATORS		
	Total	Within State	In other States	Pounds	Value	Pounds	Value	Pounds	Value	
$9,980,807		541		11,616,967	$4,898,462	19,590,291	$8,457,382	412,668,227	$177,178,838	1
8,384	7	4	3					319,077	139,505	2
(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	3
86,354	23	1	22	55,610	23,124	357,540	154,212	4,081,423	1,702,158	4
(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	5
185,227	33	17	16	282,691	106,496	1,618,089	691,599	9,250,393	3,801,288	6
										7
										8
										9
(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	10
(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	11
161,724	17	11	6	117,426	51,672	(x)	(x)	(x)	(x)	12
846,404	50	22	28	1,052,753	449,605	455,261	203,093	33,072,288	14,266,113	13
662,748	47	27	20	634,049	267,832	612,669	273,722	23,607,964	10,448,663	14
1,035,675	84	60	24	916,331	395,023	684,773	306,030	40,046,289	17,973,242	15
970,091	76	42	34	290,407	112,964	4,777,246	2,066,228	42,551,095	17,763,727	16
280,828	21	6	15	695,475	286,464	352,219	160,851	12,384,189	5,095,959	17
4,102	3	2	1					92,958	36,249	18
										19
(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	20
										21
355,602	67	61	6	110,558	49,597	(x)	(x)	(x)	(x)	22
567,387	53	35	18	207,219	93,674	(x)	(x)	(x)	(x)	23
46,622	6	4	2	443,504	172,133	(x)	(x)	(x)	(x)	24
695,172	75	39	36	795,374	338,368	1,780,892	771,694	32,832,393	13,953,332	25
91,445	26	15	11	139,065	57,598	(x)	(x)	(x)	(x)	26
901,015	58	36	22	178,397	75,022	5,266,351	2,250,506	38,978,368	16,551,345	27
										28
										29
										30
33,556	20	2	18					1,449,931	598,065	31
										32
(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	33
670,932	33	11	22	1,204,629	523,055	476,250	212,712	26,766,941	11,699,704	34
471,859	48	39	9	1,575,262	685,151			21,223,598	9,127,726	35
501,763	48	21	27	362,969	145,118	607,653	240,015	22,129,067	9,089,519	36
72,205	12	10	2					2,785,445	1,328,640	37
(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	38
										39
										40
696,805	43	13	30	857,561	373,832	745,132	313,796	25,630,161	11,038,489	41
45,626	9	5	4	370,106	150,852	(x)	(x)	(x)	(x)	42
286,670	32	15	17	93,394	34,829			11,762,101	4,591,178	43
95,643	15	13	2					3,957,724	1,658,829	44
										45
26,872	4	2	2	111,765	43,588	(x)	(x)	(x)	(x)	46
41,630	13	12	1	(x)	(x)	(x)	(x)	(x)	(x)	47
10,574	4		4	(x)	(x)	(x)	(x)	(x)	(x)	48
82,394	21	11	10	527,637	205,408	(x)	(x)	(x)	(x)	49
30,196	19	1	18	66,654	27,043			1,198,966	487,525	50

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
ARKANSAS													
State totals: Cream stations and concentrators—Total butterfat, 4,081,423 pounds; value, $1,702,158. Cream stations—Number, 607; butterfat, 3,723,883 pounds; value, $1,547,946. Concentrators—Number, 4; butterfat, 357,540 pounds; value, $154,212.													
Total [1]	603	3,668,273	1,524,822	3,964,934	3,750,052	41	576	2	25	86,354	23	1	22
Baxter	11	84,307	34,378	301,299	123,533	28	10	----	1	2,061	5	----	5
Benton	56	496,314	203,050	609,732	256,087	81	55	----	1	7,736	13	----	13
Boone	42	291,719	123,090	512,051	215,061	57	42	----	----	8,380	7	----	7
Carroll	21	397,373	165,787	622,213	261,330	64	21	----	----	7,491	8	----	8
Clay	13	173,767	76,809	250,159	107,568	70	13	----	----	4,212	5	----	5
Cleburne	10	39,041	15,833	58,358	23,927	67	9	----	1	1,055	3	----	3
Craighead	5	24,951	10,284	137,327	62,390	20	5	----	----	457	3	----	3
Crawford	6	85,719	36,807	207,647	85,135	43	6	----	----	2,253	3	----	3
Faulkner	10	30,102	12,320	199,106	83,625	15	10	----	----	846	3	----	3
Franklin	17	158,371	62,044	209,450	110,475	59	16	----	1	4,709	5	1	4
Fulton	27	112,910	46,546	305,989	125,455	37	26	----	1	3,002	6	----	6
Greene	12	87,118	36,352	236,716	101,358	37	10	----	2	1,682	7	----	7
Independence	30	80,172	31,460	142,985	61,484	56	28	----	2	2,254	3	----	3
Izard	25	75,916	30,941	139,314	57,119	55	25	----	----	2,028	3	----	3
Jefferson	3	6,978	2,697	6,415	2,630	(*)	1	----	2	61	3	----	3
Johnson	12	50,829	20,272	118,532	48,598	43	11	----	1	1,483	6	1	5
Lawrence	10	24,223	9,906	101,121	43,482	24	10	----	----	496	5	----	5
Logan	19	158,380	67,763	469,062	192,315	34	17	2	----	4,808	5	1	4
Lonoke	4	38,106	16,016	146,408	61,491	20	4	----	----	799	3	----	3
Madison	6	10,524	4,206	133,700	56,154	8	6	----	----	283	4	----	4
Marion	18	94,934	39,743	220,295	90,321	43	18	----	----	2,510	6	----	6
Montgomery	5	33,747	14,149	78,450	32,949	43	3	----	2	671	4	----	4
Polk	16	122,485	46,609	176,494	72,363	69	16	----	----	2,581	4	----	4
Pope	8	53,281	20,938	170,842	70,045	31	7	----	1	1,040	4	----	4
Randolph	12	36,721	15,853	173,975	74,809	21	10	----	2	744	5	----	5
Scott	7	56,619	22,958	142,521	58,434	40	6	----	1	922	5	----	5
Searcy	18	63,742	26,460	159,025	65,200	40	18	----	----	1,584	4	----	4
Sebastian	22	210,650	90,900	400,450	164,185	53	22	----	----	5,578	7	1	6
Sharp	24	71,493	28,301	100,109	41,069	71	24	----	----	1,846	7	----	7
Van Buren	9	23,138	9,512	57,756	23,680	40	9	----	----	659	3	----	3
Washington	40	200,739	80,517	559,364	234,933	36	40	----	----	5,377	11	----	11
White	19	79,398	32,506	270,584	116,351	26	12	----	1	1,583	5	----	5
Yell	9	38,541	15,737	138,789	56,903	28	9	----	----	1,050	4	----	4
Unclassified	19	36,439	14,939	----	----	----	19	----	----	1,094	2	----	2
Not reported by any creamery	4	55,610	23,124	----	----	----	3	----	1	1,022	----	----	----

[1] To prevent disclosure of individual operations totals for the following counties are not listed separately but are included in the State total: Arkansas, 1 cream station; Clark, 1; Conway, 9; Dallas, 1; Drew, 1; Garland, 1; Hempstead, 1; Howard, 3; Jackson, 3; Little River, 2; Mississippi, 1; Nevada, 1; Newton, 5; Perry, 2; Pulaski, 1; Sevier, 3; Stone, 6; Union, 1; Woodruff, 1.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
COLORADO													
State totals: Cream stations and concentrators—Total butterfat, 9,250,393 pounds; value, $3,801,288. Cream stations—Number, 355; butterfat, 7,632,304 pounds; value, $3,109,689. Concentrators—Number, 12; butterfat, 1,618,089 pounds; value, $691,599.													
Total [1]	350	7,349,613	3,003,193	17,236,237	7,149,445	43	345	1	4	185,227	33	17	16
Arapahoe	4	49,095	20,083	295,830	121,290	17	4	----	----	1,548	3	3	----
Baca	23	402,517	166,300	488,747	200,796	82	22	----	1	9,710	7	2	5
Bent	7	77,654	31,896	135,078	56,733	58	7	----	----	2,165	6	3	3
Cheyenne	10	156,380	60,625	339,075	139,021	46	10	----	----	3,807	3	3	----
Crowley	5	56,695	24,001	162,537	68,266	35	5	----	----	1,698	5	2	3
Delta	6	335,820	133,045	547,201	229,824	61	6	----	----	8,538	3	3	----
Elbert	12	144,916	56,595	1,024,249	419,942	14	11	----	1	3,940	3	3	----
El Paso	5	106,847	44,929	702,886	288,183	15	4	1	----	3,216	4	4	----
Garfield	3	94,276	39,858	396,039	166,336	24	2	----	----	2,770	3	3	----
Kiowa	17	163,090	68,443	257,917	105,746	63	17	----	----	4,186	8	4	4
Kit Carson	23	765,587	314,759	762,170	312,490	(*)	23	----	----	19,182	10	6	4
La Plata	13	259,853	100,806	573,782	235,291	45	12	----	1	5,577	5	5	----
Larimer	4	110,027	42,965	207,684	87,227	53	4	----	----	3,316	3	3	----
Las Animas	7	178,822	72,291	336,844	138,106	53	7	----	----	4,455	6	3	3
Lincoln	16	286,180	114,032	547,619	224,524	52	16	----	----	7,084	9	7	2
Logan	14	214,465	86,232	621,507	261,033	35	14	----	----	5,570	8	3	5
Montezuma	11	251,786	99,752	469,538	192,511	54	11	----	----	7,851	4	4	----
Morgan	18	371,779	148,924	491,251	206,325	76	18	----	----	9,034	6	5	1
Phillips	15	362,316	149,217	321,604	131,858	(*)	15	----	----	8,219	7	3	4
Prowers	12	223,011	95,254	248,283	104,279	90	11	----	1	5,144	6	2	4
Routt	4	67,001	26,092	562,375	236,198	12	4	----	----	1,997	3	3	----
San Juan													
Washington	20	366,625	147,335	825,698	338,536	44	20	----	----	8,798	8	5	3
Weld	23	480,293	202,843	887,906	372,979	54	23	----	----	11,952	7	4	3
Yuma	37	838,506	354,489	802,835	329,162	(*)	37	----	----	18,801	12	6	6
Unclassified	3	58,756	23,234	----	----	----	3	----	----	1,431	3	3	----
Not reported by any creamery	5	282,691	106,496	----	----	----	3	1	1	5,833	----	----	----

[1] To prevent the disclosure of individual operations totals for the following counties are not listed separately but are included in the State total: Adams, 2 cream stations; Alamosa, 2; Boulder, 1; Conejos, 1; Costilla, 1; Dolores, 3; Grand, 1; Jackson, 1; Jefferson, 2; Mesa, 7; Moffat, 1; Montrose, 2; Otero, 4; Pueblo, 2; Rio Grande, 1; Saguache, 2; San Miguel, 2; Sedgwick, 3.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES		CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture)		Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES			Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED		
		Pounds	Value (dollars)	Pounds	Value (dollars)		Commission	Salary	Independent		Total	Within State	In other States
IDAHO													
State totals: Cream stations and concentrators—Total butterfat, 6,278,748 pounds; value, $2,769,479. Cream stations—Number, 169; butterfat, 6,276,562 pounds; value, $2,768,368.													
Total [1]	166	6,159,136	2,716,596	17,416,690	8,006,482	35	149	12	5	161,724	17	11	6
Bannock	5	127,799	54,375	713,581	321,111	18	5	----	----	3,809	4	2	2
Bear Lake	8	266,888	115,894	458,902	206,506	58	7	1	----	7,344	3	2	1
Bingham	11	202,248	84,594	559,157	251,621	36	11	----	----	5,036	5	2	3
Blaine	7	188,730	84,669	184,074	80,993	(2)	7	----	----	5,558	4	3	1
Bonneville	5	315,550	133,781	391,711	176,270	81	3	2	----	6,048	3	2	1
Butte	3	36,739	15,201	85,421	38,439	43	3	----	----	1,418	3	1	2
Cassia	13	731,746	330,796	553,361	243,479	(2)	10	2	1	21,920	6	4	2
Franklin	6	329,741	145,655	500,041	229,068	65	6	----	----	7,389	4	2	2
Fremont	5	117,107	48,812	194,036	87,316	60	5	----	----	3,018	3	1	2
Gooding	8	405,839	186,233	630,423	283,690	64	6	----	2	7,840	4	3	1
Jefferson	9	214,889	90,573	251,951	113,378	85	3	----	----	6,126	4	2	2
Jerome	3	150,526	67,259	498,893	219,513	30	3	----	----	4,181	3	2	1
Lincoln	6	111,795	51,072	329,326	144,903	34	6	----	----	3,495	3	2	1
Minidoka	10	224,196	101,848	273,455	120,320	82	9	----	1	6,606	4	2	2
Oneida	5	150,930	63,192	208,930	91,769	74	5	----	----	5,075	3	1	2
Teton	5	80,438	33,215	181,630	81,734	44	5	----	----	2,409	5	2	3
Twin Falls	13	809,648	396,683	855,759	385,092	(2)	10	2	1	26,331	5	3	2
Unclassified	3	117,426	51,672	----	----	----	2	1	----	2,544	----	----	----

[1] To prevent the disclosure of individual operations totals for the following counties are not listed separately but are included in the State total: Ada, 3 cream stations; Benewah, 1; Camas, 2; Canyon, 4; Caribou, 1; Clark, 1; Custer, 2; Elmore, 1; Idaho, 5; Latah, 2; Lemhi, 6; Lewis, 1; Madison, 4; Nez Perce, 1; Owyhee, 1; Payette, 1; Power, 2; Valley, 3; Washington, 3.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES		CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture)		Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES			Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED		
		Pounds	Value (dollars)	Pounds	Value (dollars)		Commission	Salary	Independent		Total	Within State	In other States
ILLINOIS													
State totals: Cream stations and concentrators—Total butterfat, 33,072,288 pounds; value, $14,266,113. Cream stations—Number, 2,058; butterfat, 32,617,027 pounds; value, $14,063,020. Concentrators—Number, 4; butterfat, 455,261 pounds; value, $203,093.													
Total [1]	2,090	31,564,274	13,613,415	50,631,156	22,251,128	63	1,728	86	206	846,404	50	22	28
Adams	24	240,382	103,164	1,010,796	444,750	24	23	1	----	8,332	8	6	2
Alexander	5	69,900	29,864	59,045	24,799	(2)	4	----	1	1,621	4	2	2
Brown	12	130,356	57,218	370,529	163,033	35	11	----	1	3,339	7	5	2
Bureau	42	1,041,553	452,407	1,162,894	523,302	90	31	5	6	22,436	11	6	5
Carroll	20	462,902	211,989	843,516	379,582	55	16	----	4	13,206	5	2	3
Cass	18	206,419	87,559	191,788	84,387	(2)	17	----	1	5,010	7	6	1
Champaign	42	671,134	285,698	1,061,334	475,787	62	34	1	7	15,674	8	4	4
Christian	28	468,692	204,706	853,691	375,624	55	26	1	1	14,054	7	7	----
Clark	22	308,139	131,169	395,814	170,200	78	19	3	----	7,072	8	4	4
Clay	26	306,310	136,415	353,286	151,915	87	22	1	2	8,095	9	5	4
Coles	21	310,803	130,534	394,108	169,466	79	14	5	2	8,502	11	7	4
Cook	8	52,893	22,488	7,853	3,612	(2)	4	----	----	1,274	5	4	1
Crawford	21	264,389	111,165	417,359	179,464	63	19	1	1	6,639	11	5	6
Cumberland	20	148,239	62,432	251,890	108,267	59	19	1	----	4,948	9	7	2
De Kalb	12	109,554	48,361	333,225	155,284	33	11	----	1	2,713	4	3	1
De Witt	14	292,798	123,099	579,915	255,163	51	13	----	1	7,288	7	6	1
Douglas	27	567,833	249,635	473,666	203,676	(2)	22	4	1	18,342	8	5	3
Edgar	20	316,566	133,960	533,746	229,511	59	15	4	1	9,391	6	3	3
Edwards	17	296,567	136,811	257,828	108,288	(2)	11	1	5	5,062	7	3	4
Effingham	18	181,790	77,790	311,732	134,045	58	16	1	1	5,268	9	6	3
Fayette	18	288,000	122,543	467,092	200,850	62	18	----	----	8,436	9	6	3
Ford	26	616,890	268,523	538,182	236,800	(2)	21	1	4	12,943	6	4	2
Franklin	10	60,329	26,798	226,976	95,330	27	7	----	3	2,216	3	3	----
Fulton	38	827,516	353,122	1,084,793	477,309	76	29	8	1	24,341	7	7	----
Gallatin	14	110,291	45,475	105,876	44,468	(2)	11	----	3	2,469	7	4	3
Greene	27	296,198	123,924	274,156	120,629	(2)	23	1	3	8,260	8	5	3
Hamilton	17	198,186	86,334	376,214	158,010	53	16	----	1	5,603	5	4	1
Hancock	41	529,364	231,914	1,384,210	609,052	38	37	2	2	15,597	8	5	3
Hardin	7	27,444	11,381	89,013	37,385	31	6	----	1	636	3	2	1
Henderson	11	172,964	77,630	383,999	168,960	45	10	----	1	4,679	6	2	4
Henry	38	990,641	444,444	1,411,396	635,128	70	30	----	8	24,336	11	5	6
Iroquois	61	1,255,381	552,375	1,445,831	636,166	87	58	----	3	37,122	8	4	4
Jackson	27	219,300	94,134	572,876	240,608	38	23	1	3	6,882	8	5	3
Jasper	34	324,468	136,572	489,918	210,665	66	32	----	2	9,380	7	4	3
Jefferson	28	538,605	248,276	754,814	317,022	71	16	4	8	12,718	6	4	2
Jersey	7	80,915	34,384	298,927	131,528	27	5	1	1	2,688	5	2	3
Jo Daviess	10	250,408	112,189	1,682,281	773,849	15	9	----	1	6,988	4	2	2
Johnson	23	239,730	98,853	321,316	134,953	75	21	1	1	6,914	8	6	2
Kankakee	14	239,181	103,017	298,677	131,418	80	14	----	----	8,073	5	4	1
Kendall	3	55,869	25,771	168,771	77,635	33	3	----	----	1,667	3	2	1
Knox	30	671,213	283,517	1,108,252	487,631	61	26	3	1	19,008	8	7	1
La Salle	32	792,347	336,421	1,119,446	514,945	71	30	2	----	21,594	12	8	4
Lawrence	14	181,620	76,346	245,236	105,451	74	14	----	----	4,557	5	3	2
Lee	15	183,723	80,597	690,809	265,864	31	13	----	2	4,572	3	2	1
Livingston	28	572,289	243,970	1,251,430	550,629	46	27	----	1	15,991	6	5	1

[1] To prevent the disclosure of individual operations totals for the following counties are not listed separately but are included in the State total: Bond, 2 cream stations; Calhoun, 4; Clinton, 2; Du Page, 1 Grundy, 3; Kane, 2; Lake, 1; McHenry, 1; Madison, 3; Winnebago, 1.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
ILLINOIS—Continued													
Logan	36	620,202	250,342	756,955	333,060	82	35	1	----	16,878	11	10	1
McDonough	25	442,169	196,134	889,650	391,446	50	18	4	3	11,211	6	5	1
McLean	65	1,377,111	578,137	1,330,750	585,530	(2)	56	3	6	37,033	8	7	1
Macon	14	427,762	193,051	654,174	287,837	65	13	----	1	7,708	5	5	----
Macoupin	37	501,853	209,772	755,172	332,276	67	34	----	3	14,324	11	7	4
Marion	33	383,052	170,492	479,132	206,027	80	27	1	5	10,914	9	6	3
Marshall	18	434,427	181,053	485,265	213,517	90	18	----	1	13,025	7	4	3
Mason	16	252,966	106,058	374,914	164,962	68	14	----	1	7,728	8	7	1
Massac	11	134,681	55,535	250,003	105,001	54	10	----	1	3,501	5	4	1
Menard	13	228,688	93,493	366,128	161,096	63	13	----	----	6,314	6	6	----
Mercer	29	447,936	196,810	830,299	373,635	54	28	1	----	13,639	8	4	4
Monroe	4	9,074	3,974	112,729	47,346	8	2	----	2	23	3	1	2
Montgomery	24	241,457	101,915	602,969	265,306	40	23	----	1	6,623	7	6	1
Morgan	24	609,607	269,934	587,735	258,603	(2)	22	----	2	13,659	10	8	2
Moultrie	21	344,848	144,869	454,597	195,477	76	18	3	----	10,422	8	6	2
Ogle	13	162,753	74,213	685,313	308,391	24	12	----	1	4,409	4	2	2
Peoria	16	495,846	207,583	541,138	238,101	92	13	2	1	11,002	4	4	----
Perry	17	247,818	104,348	459,231	193,041	54	12	----	5	5,541	8	5	3
Piatt	27	445,026	196,633	495,299	217,932	90	22	1	4	11,353	8	4	4
Pike	37	392,354	165,728	780,378	343,366	50	33	1	3	10,674	10	7	3
Pope	14	65,552	26,914	175,177	73,574	37	11	----	3	1,729	4	2	2
Pulaski	9	39,621	16,438	94,669	39,761	42	7	----	2	1,402	5	4	1
Putnam	10	97,271	41,113	218,037	98,117	45	10	----	----	3,033	7	4	3
Randolph	20	200,758	89,074	335,659	140,977	60	17	----	3	5,155	5	3	2
Richland	18	360,515	152,642	420,900	180,987	86	16	----	2	7,842	6	4	2
Rock Island	12	186,723	86,473	423,558	190,601	44	9	----	3	2,873	7	3	4
St. Clair	8	84,594	35,509	96,035	41,295	88	5	----	3	1,562	5	1	4
Saline	23	198,535	85,478	223,379	93,819	89	19	1	3	4,648	6	4	2
Sangamon	13	114,216	48,469	645,246	283,908	18	12	----	1	3,819	6	4	2
Schuyler	15	213,786	94,299	572,624	251,955	37	12	1	2	5,850	5	5	----
Scott	13	146,100	62,736	189,403	83,337	77	11	----	2	2,916	7	5	2
Shelby	60	754,395	326,067	1,007,712	433,316	75	52	2	6	19,915	12	7	5
Stark	19	291,036	121,196	367,572	170,532	75	18	1	----	9,766	7	5	2
Stephenson	20	562,673	253,688	632,326	290,870	89	17	----	3	12,925	6	3	3
Tazewell	26	407,188	168,538	603,111	265,369	68	25	1	----	12,128	11	10	1
Union	29	170,009	71,891	414,513	174,095	41	13	----	16	3,004	8	5	3
Vermilion	40	592,414	255,993	829,688	365,063	71	35	3	2	20,605	11	4	7
Wabash	11	196,888	83,405	185,290	77,822	(2)	11	----	----	4,940	4	1	3
Warren	21	402,627	171,608	826,128	363,496	49	18	2	1	12,368	9	7	2
Washington	9	56,497	22,856	102,430	43,021	55	8	----	1	1,266	4	3	1
Wayne	32	292,083	128,497	495,198	207,983	59	27	1	4	6,841	8	5	3
White	27	335,512	142,464	319,069	134,009	(2)	23	----	4	8,596	9	4	5
Whiteside	21	377,766	177,458	622,938	280,322	61	14	2	5	9,231	7	5	2
Will	3	75,282	30,953	197,753	90,966	38	2	1	----	2,665	3	2	1
Williamson	26	204,322	86,358	433,432	182,041	47	22	----	4	7,082	6	4	2
Woodford	25	628,815	255,545	704,628	310,036	89	23	----	2	18,361	8	7	1
Unclassified	7	34,247	14,412				7	----	----	1,277	5	4	1
Not reported by any creamery	38	1,052,753	449,605				13	3	22	12,305			

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
INDIANA													
State totals: Cream stations and concentrators—Total butterfat, 23,607,964 pounds; value, $10,448,663. Cream stations—Number, 1,269; butterfat, 22,995,295 pounds; value, $10,174,941. Concentrators—Number, 6; butterfat, 612,669 pounds; value, $273,722.													
Total [1]	1,243	22,361,246	9,907,109	41,255,624	18,545,950	54	984	207	52	662,748	47	27	20
Adams	8	248,864	109,531	499,689	224,860	50	2	6	----	7,627	4	4	----
Allen	14	450,901	212,544	641,240	288,558	70	5	8	1	12,688	4	3	1
Bartholomew	9	171,892	79,447	647,328	304,244	27	9	----	----	5,463	3	3	----
Benton	25	427,883	188,690	418,884	184,309	(2)	25	----	----	13,735	7	4	3
Blackford	9	289,636	131,866	269,360	121,212	(2)	4	4	1	10,877	5	5	----
Boone	15	189,383	85,731	204,624	96,173	93	10	3	2	5,078	9	7	2
Brown	4	25,633	10,920	143,822	64,720	18	4	----	----	873	3	3	----
Carroll	18	347,756	153,233	803,632	361,634	43	15	2	1	10,669	5	5	----
Cass	13	158,812	70,145	753,257	338,966	21	11	2	----	6,181	5	5	----
Clark	23	224,375	96,219	746,560	328,486	30	23	----	----	5,854	6	3	3
Clay	11	148,314	64,807	433,477	195,065	34	10	----	1	3,297	7	6	1
Clinton	21	340,468	152,523	539,456	253,544	63	20	1	----	12,853	8	6	----
Crawford	15	105,160	44,166	320,649	141,086	33	15	----	----	2,507	4	2	2
Daviess	21	424,327	182,542	492,873	216,864	86	20	----	1	11,746	9	8	1
Dearborn	5	170,031	74,685	754,810	332,116	23	4	1	----	4,273	3	2	1
Decatur	15	342,725	152,654	610,160	286,775	56	7	8	----	9,659	5	3	2
De Kalb	11	310,633	137,655	428,038	192,617	73	4	7	----	12,530	5	4	1
Delaware	6	97,558	46,447	631,349	284,107	16	3	2	1	2,302	4	4	----
Dubois	6	80,925	34,114	521,800	229,592	16	6	----	----	2,019	3	2	1
Elkhart	7	79,253	36,975	669,851	308,131	12	4	2	1	4,169	4	3	1
Fayette	7	131,382	58,329	253,427	114,042	52	5	1	1	2,302	7	6	1
Floyd	8	105,330	44,684	193,749	85,250	54	6	2	----	3,188	3	1	2
Fountain	20	272,328	115,053	567,285	255,278	48	20	----	----	9,961	5	3	2
Franklin	11	348,939	154,550	652,734	293,730	54	10	----	1	6,046	8	6	2
Fulton	15	256,852	110,305	699,807	314,913	37	9	6	----	12,009	3	3	----
Gibson	27	293,210	124,002	264,045	116,180	(2)	25	----	2	8,078	4	3	1
Grant	17	350,693	161,800	459,646	216,054	76	14	2	1	11,337	5	4	1
Greene	35	352,017	150,889	349,996	153,998	(2)	34	1	----	10,805	9	8	1
Hamilton	8	73,010	32,608	176,269	82,846	41	8	----	----	1,900	3	3	----
Hancock	10	130,276	57,945	256,008	120,324	51	7	3	----	5,887	5	5	----
Harrison	18	189,739	78,128	830,379	365,367	23	16	2	----	5,705	3	1	2
Hendricks	9	156,954	69,140	203,147	95,479	77	4	4	1	3,696	6	6	----
Henry	22	503,971	221,233	623,871	280,742	81	13	8	1	11,841	9	8	1
Howard	12	345,101	156,146	440,868	207,208	78	10	1	1	8,425	4	4	----
Huntington	13	304,197	138,328	780,235	351,106	39	8	3	2	7,757	6	5	1
Jackson	16	283,813	123,285	537,065	241,688	53	10	5	1	8,786	5	4	1
Jasper	17	360,765	159,476	549,470	241,767	66	16	----	1	11,191	3	3	1
Jay	18	670,251	323,087	951,896	428,353	70	7	7	4	11,694	7	6	1
Jefferson	17	295,260	126,864	739,485	325,373	40	13	4	----	7,237	5	2	3
Jennings	11	123,142	53,156	465,871	209,642	20	11	----	----	3,705	5	2	3
Johnson	9	117,949	54,112	104,619	49,171	(2)	6	3	----	3,724	3	3	----
Knox	15	160,527	68,659	484,527	213,192	33	15	----	----	4,569	6	5	1
Kosciusko	22	421,215	191,822	786,582	353,962	54	13	6	3	12,584	6	5	1
Lagrange	5	172,636	88,312	938,637	422,387	18	2	3	----	6,506	3	3	----
Lawrence	12	170,122	76,704	359,970	158,387	47	10	2	----	5,632	9	6	3

[1] To prevent the disclosure of individual operations total for the following counties are not listed separately but are included in the State total: Lake, 2; La Porte, 6; Marion, 6; Marshall, 7; Porter, 4; Posey, 11, St. Joseph, 2; Tipton, 11.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
INDIANA—Continued													
Madison	13	224,624	105,079	347,043	163,110	65	11	1	1	6,790	5	5	----
Martin	14	104,240	43,212	276,901	121,836	38	14	----	----	2,948	8	6	2
Miami	16	331,863	149,929	525,501	236,475	63	10	3	3	7,803	9	8	1
Monroe	9	102,202	46,132	194,291	87,431	53	8	1	----	3,107	4	4	----
Montgomery	20	270,989	116,562	594,849	267,682	46	19	1	----	8,756	9	7	2
Morgan	12	261,260	116,298	218,202	102,555	(1)	12	----	----	8,588	5	4	1
Newton	18	309,920	139,313	373,603	164,385	83	18	----	----	10,699	5	4	1
Noble	13	318,803	145,891	635,302	285,886	90	5	7	1	13,921	5	4	1
Ohio	4	87,682	38,408	355,815	157,980	24	2	1	1	1,522	3	----	3
Orange	18	221,303	94,539	349,076	153,593	63	18	----	----	6,170	6	3	3
Owen	22	166,073	70,381	314,257	141,416	53	20	2	----	5,437	6	5	1
Parke	10	318,229	134,391	349,688	157,360	91	7	1	2	8,508	3	2	1
Perry	11	184,892	77,785	319,021	140,369	58	11	----	----	4,566	4	3	1
Pike	11	72,547	30,602	187,355	82,436	39	11	----	----	2,307	4	2	2
Pulaski	15	312,112	130,726	396,328	174,384	79	10	2	3	9,325	6	6	----
Putnam	15	251,876	113,744	406,669	183,001	62	12	3	----	9,264	6	5	1
Randolph	30	668,893	295,436	1,243,302	559,486	54	16	12	2	25,774	11	8	3
Ripley	20	450,659	191,755	735,075	330,784	61	14	6	----	11,140	6	2	4
Rush	12	289,272	123,350	392,235	184,360	74	10	2	----	9,799	7	4	3
Scott	8	101,020	41,719	177,836	78,269	57	8	----	----	2,428	3	2	1
Shelby	8	149,849	66,797	213,970	100,566	70	3	5	----	3,366	5	4	1
Spencer	14	123,003	51,011	626,484	275,653	20	11	3	----	3,187	4	3	1
Starke	8	81,606	36,169	196,663	86,532	42	7	1	----	3,396	5	4	1
Steuben	10	271,160	126,934	415,531	186,989	65	5	4	1	5,181	5	3	2
Sullivan	22	284,324	119,528	194,241	85,466	(1)	17	4	1	5,079	11	7	4
Switzerland	20	524,995	221,559	902,141	396,942	59	18	1	1	11,313	5	2	3
Tippecanoe	6	238,465	103,292	500,240	225,108	48	5	1	----	8,983	4	3	1
Union	3	81,234	35,763	251,192	113,036	32	2	1	----	2,760	3	3	----
Vanderburg	5	209,848	131,788	88,797	39,071	(1)	4	1	----	4,915	3	3	----
Vermillion	10	203,479	85,740	254,465	114,509	80	9	1	----	6,517	4	2	2
Vigo	11	231,035	102,866	176,524	79,436	(1)	9	2	----	5,401	4	3	1
Wabash	16	331,330	150,965	579,402	260,731	57	11	3	2	11,917	7	7	----
Warren	16	226,500	98,042	367,833	165,390	62	16	----	----	7,674	8	4	2
Warrick	11	150,115	65,287	326,851	143,814	46	11	----	----	3,999	5	3	2
Washington	36	407,394	173,978	451,716	198,755	90	36	----	----	10,845	6	3	3
Wayne	18	333,572	154,145	633,089	284,890	53	15	2	1	11,226	9	7	2
Wells	13	347,996	159,171	532,791	239,756	65	4	9	----	11,858	4	4	----
White	29	482,924	216,798	469,228	206,460	(1)	27	1	1	16,696	4	4	----
Whitley	6	389,711	189,510	715,215	321,847	55	1	3	2	5,404	3	2	1
Unclassified	11	99,861	42,917	----	----	----	11	----	----	2,724	7	5	2
Not reported by any creamery	26	634,049	267,832	----	----	----	16	3	7	13,054	----	----	----

[1] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
IOWA													
State totals: Cream stations and concentrators—Total butterfat, 40,046,289 pounds; value, $17,973,242. Cream stations—Number, 2,414; butterfat, 39,361,516 pounds; value, $17,667,212. Concentrators—Number, 7; butterfat, 684,773 pounds; value, $306,030.													
Total [1]	2,382	38,445,185	17,272,189	140,520,819	65,856,789	27	2,150	74	158	1,035,675	84	60	24
Adair	20	485,674	221,822	1,257,207	553,171	39	18	1	1	12,440	10	7	3
Adams	22	480,608	214,646	764,115	336,211	63	21	1	----	10,679	7	4	3
Allamakee	13	202,568	96,099	2,553,950	1,251,436	8	12	----	1	4,295	3	1	2
Appanoose	44	372,394	170,092	600,445	270,200	62	42	----	2	8,822	13	8	5
Audubon	19	220,167	99,100	1,352,004	605,402	16	16	2	1	5,439	8	4	4
Benton	22	333,822	145,645	2,045,404	961,340	16	19	----	3	8,479	9	8	1
Boone	17	156,274	67,628	1,216,281	571,652	13	14	1	1	5,121	10	9	1
Buena Vista	21	414,529	189,393	1,421,492	653,886	29	21	----	----	14,196	7	6	1
Butler	26	247,952	116,512	2,049,789	983,899	12	24	----	2	7,224	8	8	----
Calhoun	37	654,084	292,615	1,082,383	487,072	60	37	----	----	22,386	13	11	2
Carroll	32	429,871	191,220	1,119,188	503,635	38	26	1	5	10,592	12	7	5
Cass	31	656,343	294,225	982,918	432,484	67	27	1	3	12,974	10	5	5
Cedar	16	343,064	157,707	1,789,134	840,893	19	15	----	1	8,581	8	7	1
Cerro Gordo	10	186,197	90,863	1,875,250	900,120	10	10	----	----	5,813	5	4	1
Cherokee	32	477,250	216,315	1,091,677	502,171	44	29	3	----	11,842	10	7	3
Chickasaw	9	99,304	50,445	2,350,068	1,151,533	4	9	----	----	2,786	5	4	1
Clarke	22	307,001	135,808	524,177	235,880	59	18	----	4	6,822	9	3	6
Clay	28	761,122	351,504	1,218,700	560,602	63	28	----	----	24,931	10	6	4
Clayton	12	166,715	77,189	1,437,339	2,174,590	4	8	1	3	2,641	3	1	2
Clinton	24	343,928	163,217	1,893,720	890,048	18	16	3	5	5,884	4	4	----
Crawford	41	684,661	292,198	1,301,553	585,699	53	35	3	3	15,647	10	7	3
Dallas	41	697,100	300,432	781,315	367,218	89	35	1	5	18,411	12	10	2
Davis	28	414,855	188,028	813,310	365,990	51	25	1	2	11,513	12	9	3
Decatur	27	310,189	139,013	780,797	351,359	40	26	----	1	7,306	8	6	2
Des Moines	16	293,977	130,442	735,704	331,067	40	14	----	2	6,535	7	5	2
Dickinson	16	365,109	168,308	917,420	422,013	40	16	----	----	10,084	8	5	3
Dubuque	8	172,714	82,218	2,492,963	1,221,552	7	5	----	3	1,713	3	3	----
Emmet	12	229,388	102,449	1,283,859	605,414	18	12	----	----	7,516	5	3	2
Floyd	7	52,341	25,615	1,593,855	765,050	3	6	----	1	1,339	3	2	1
Franklin	10	132,389	62,328	1,967,565	944,431	7	9	----	1	3,634	4	4	----
Fremont	34	375,639	166,240	463,577	203,974	81	31	----	3	9,394	8	3	5
Greene	30	503,915	224,373	1,092,126	491,457	46	27	2	1	15,278	11	10	1
Grundy	9	131,264	56,746	1,943,956	913,659	7	9	----	----	4,192	7	6	1
Guthrie	38	548,402	242,259	1,298,950	584,528	42	37	1	----	16,601	14	10	4
Hamilton	33	594,961	261,611	1,214,505	570,817	49	32	1	----	17,386	10	9	1
Hancock	18	236,693	105,768	2,140,857	1,027,611	11	17	----	1	7,104	7	6	1
Hardin	38	578,335	257,171	1,737,831	816,781	33	35	2	1	14,812	11	10	1
Harrison	53	961,341	420,257	978,245	440,210	98	47	2	4	26,749	14	8	6
Henry	28	505,530	229,370	997,751	448,988	51	26	1	1	11,424	11	8	3
Humboldt	21	360,637	159,919	1,139,020	546,730	32	21	----	----	11,486	8	7	1
Ida	21	400,613	178,262	686,276	308,824	58	17	4	----	13,044	8	6	2
Iowa	30	586,760	273,196	1,202,876	565,352	49	29	----	1	17,419	11	9	2
Jackson	18	379,221	180,973	2,399,839	1,127,924	15	15	1	2	9,373	9	8	1
Jasper	33	826,947	365,679	1,313,623	617,403	63	27	1	5	18,880	11	9	2
Jefferson	30	330,976	147,912	591,637	266,237	56	26	----	4	8,365	12	9	3
Johnson	16	288,118	131,013	1,099,983	516,569	26	15	1	----	6,765	8	7	1
Jones	13	188,162	86,708	2,735,303	1,287,002	7	11	1	1	5,654	6	5	1
Keokuk	61	918,717	417,468	1,049,492	472,271	88	55	----	6	23,735	17	15	2
Kossuth	33	451,184	201,225	2,948,907	1,415,475	15	31	1	1	14,665	9	7	2
Lee	16	299,529	134,508	745,874	335,643	40	12	1	3	5,667	4	3	1

[1] To prevent the disclosure of individual operations totals for the following counties are not listed separately but are included in the State total: Black Hawk, 2; Bremer, 2; Buchanan, 7; Delaware, 1; Fayette, 11; Howard, 2; Winneshiek, 1.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
IOWA—Continued													
Linn	14	170,054	77,482	1,938,251	910,978	9	14			4,665	7	7	
Louisa	23	318,327	146,873	676,568	304,456	47	21	1	1	8,418	12	9	3
Lucas	25	335,341	146,565	458,265	206,219	73	25			6,359	11	6	5
Lyon	26	396,334	187,261	1,670,597	768,475	24	25	1		11,369	9	3	6
Madison	26	440,380	205,586	702,997	316,349	63	19	1	6	8,892	11	9	2
Mahaska	41	1,055,790	460,959	1,251,194	563,037	84	36	3	2	33,491	18	16	2
Marion	39	790,345	344,581	871,585	392,213	91	36		3	20,394	10	9	1
Marshall	16	210,464	93,925	1,622,464	762,558	13	14		2	4,551	6	5	1
Mills	20	262,195	111,946	598,456	263,321	44	18		2	5,882	8	4	4
Mitchell	11	109,184	48,592	1,862,889	894,187	6	10		1	2,859	6	4	2
Monona	38	688,305	297,976	889,360	400,215	77	38			20,486	10	6	4
Monroe	19	302,474	140,386	526,844	237,080	57	19			8,281	9	6	3
Montgomery	31	435,810	194,851	592,252	260,591	74	26	3	2	9,824	12	7	5
Muscatine	16	422,415	202,289	1,072,893	504,260	39	12	1	3	6,938	7	5	2
O'Brien	22	672,993	317,616	1,704,265	783,962	40	21		1	20,703	9	6	3
Osceola	13	227,211	106,442	1,227,156	564,492	19	13			7,386	3	3	
Page	43	658,149	297,820	806,395	354,814	82	31	3	9	17,931	9	5	4
Palo Alto	20	275,796	122,907	1,682,957	774,160	16	20			8,926	8	6	2
Plymouth	33	646,300	291,275	1,826,466	840,174	35	30	3		18,564	8	5	3
Pocahontas	28	488,049	219,596	1,187,359	546,185	41	27	1		16,576	9	7	2
Polk	9	45,357	19,940	621,776	292,235	7	8		1	1,180	5	4	1
Pottawattamie	45	625,413	265,635	1,425,399	627,176	44	40	2	3	16,327	10	6	4
Poweshiek	33	722,774	321,759	1,344,537	631,932	54	28		5	19,212	13	12	1
Ringgold	36	385,569	174,329	834,122	375,355	46	31	2	3	10,196	11	8	3
Sac	26	533,475	236,329	951,321	428,094	56	22	4		18,684	10	7	3
Scott	11	164,328	77,597	846,629	397,916	19	10		1	3,704	7	6	1
Shelby	30	387,086	173,335	1,164,983	524,242	33	26	2	2	9,472	10	5	5
Sioux	28	384,547	176,180	3,395,004	1,561,702	11	28			11,964	5	4	1
Story	20	239,760	105,951	1,523,884	716,225	16	24	2	3	7,221	8	6	2
Tama	26	427,187	189,507	1,704,842	801,276	25	25		1	12,187	9	8	1
Taylor	31	682,224	298,490	873,515	384,347	78	27	2	2	17,136	11	6	5
Union	25	365,578	159,644	704,292	316,931	43	16	2	7	4,746	9	5	4
Van Buren	32	454,790	203,241	935,752	421,088	49	32			10,824	9	6	3
Wapello	32	485,825	223,402	662,580	298,161	73	29		3	12,165	9	8	1
Warren	28	292,106	127,599	705,706	317,568	41	28			8,748	10	8	2
Washington	34	520,838	233,385	994,783	447,652	52	30		4	12,931	13	10	3
Wayne	34	387,620	168,226	653,356	294,010	59	33		1	9,820	15	10	5
Webster	41	610,938	274,288	1,017,250	492,208	58	39		2	20,979	14	12	2
Winnebago	13	183,138	81,137	1,933,111	927,893	10	12		1	6,563	5	4	1
Woodbury	34	832,371	367,981	1,159,728	521,878	72	31	3		25,538	9	5	4
Worth	6	92,764	42,799	1,725,614	828,295	5	5		1	2,610	3	1	2
Wright	24	412,660	190,301	1,418,097	680,687	29	24			12,575	9	7	2
Unclassified	10	53,004	23,678				10			1,206	7	5	2
Not reported by any creamery	32	916,331	395,023				28	1	3	15,915			

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
KANSAS													
State totals: Cream stations and concentrators—Total butterfat, 42,551,095 pounds; value, $17,763,727. Cream stations—Number, 2,884; Butterfat, 37,773,849 pounds; value, $15,697,499. Concentrators—Number, 75; butterfat, 4,777,246 pounds; value, $2,066,288.													
Total	2,959	37,483,442	15,564,536	57,133,252	24,242,641	66	2,388	76	95	970,091	776	42	34
Allen	38	366,795	145,619	529,106	222,225	69	36		2	9,369	12	6	6
Anderson	34	357,290	143,271	643,697	276,353	56	32		2	10,020	11	6	5
Atchison	22	405,909	166,272	598,717	257,448	68	19	1	2	8,661	12	6	6
Barber	26	305,295	129,099	379,333	159,320	81	26			7,852	11	8	3
Barton	43	617,177	254,576	631,412	271,507	96	43			15,622	12	10	2
Bourbon	38	479,160	190,408	662,373	278,197	72	38			12,512	11	6	5
Brown	26	432,093	178,961	1,901,933	430,831	43	24		2	10,728	14	4	10
Butler	35	392,892	167,911	654,678	274,965	60	31	1	3	9,551	9	7	2
Chase	14	107,606	42,276	246,849	103,677	44	14			3,218	8	6	2
Chautauqua	29	318,257	134,044	412,879	173,409	77	27	1	1	8,010	10	5	5
Cherokee	25	313,077	126,540	422,521	177,459	74	23		2	7,425	11	7	4
Cheyenne	10	251,415	105,235	316,456	132,912	79	10			5,786	6		6
Clark	12	171,908	71,106	188,463	79,129	91	10	2		4,367	8	8	
Clay	29	611,425	259,189	805,713	346,457	76	25	3	1	16,914	10	5	5
Cloud	30	684,939	287,080	879,480	378,176	78	21	5	4	16,628	10	4	6
Coffey	40	455,409	183,113	718,841	301,913	63	37		3	11,814	14	8	6
Comanche	12	202,824	84,828	249,061	104,606	81	9	3		5,648	7	5	2
Cowley	31	462,867	196,825	641,589	269,467	72	25	4	2	9,556	9	6	3
Crawford	54	619,657	252,440	457,205	192,026	(1)	50		4	17,243	16	9	7
Decatur	24	381,892	158,203	469,457	197,080	81	24			8,814	13	3	10
Dickinson	34	501,680	208,748	1,113,684	478,884	45	30	2	2	12,502	16	10	6
Doniphan	22	209,547	86,324	455,714	195,957	46	21		1	5,044	16	5	11
Douglas	24	653,366	313,110	602,764	253,161	(1)	23	1		13,105	11	6	5
Edwards	21	249,266	99,356	270,218	113,492	92	20		1	7,095	11	9	2
Elk	32	286,739	116,932	425,517	178,717	67	30	2		7,439	10	7	3
Ellis	27	423,493	173,367	512,322	220,298	83	23		4	6,964	12	7	5
Ellsworth	20	242,609	98,616	442,232	190,160	55	18	2		5,501	12	10	2
Finney	12	220,923	87,699	285,607	119,955	77	11	1		6,354	9	6	3
Ford	20	303,980	128,533	449,149	188,643	68	19		1	8,131	8	7	1
Franklin	24	417,447	170,316	693,737	291,370	60	23		1	11,245	8	4	4
Geary	4	32,604	14,018	218,780	91,888	15	3	1		872	4	4	
Gove	18	326,811	130,741	413,818	173,804	79	18			8,093	10	5	5
Graham	14	279,733	120,285	446,483	187,523	63	14			5,932	9	5	4
Grant	6	58,471	24,064	70,887	29,773	83	6			1,459	5	5	
Gray	12	173,802	71,552	263,651	110,733	66	12			4,906	8	8	
Greeley [2]													
Greenwood	41	306,307	125,125	520,270	218,513	59	40	1		9,224	12	8	4
Hamilton	7	66,271	26,445	115,578	48,543	57	7			1,425	6	5	1
Harper	23	605,237	240,493	736,438	310,144	82	32	1		16,963	13	12	1
Harvey	16	260,740	108,291	477,914	200,724	55	15	1		7,685	9	8	1
Haskell	4	27,307	12,111	62,940	26,435	43	4			960	3	3	
Hodgeman	9	141,191	59,992	294,923	123,868	48	8	1		4,068	5	5	
Jackson	28	472,903	189,624	973,695	418,689	49	28			12,053	9	5	4
Jefferson	25	598,699	295,228	512,761	220,487	(1)	22	3		19,093	11	6	5
Jewell	46	684,014	298,991	1,902,453	456,856	64	41		5	15,962	10	2	8
Johnson	16	386,241	159,275	451,112	189,467	84	12		4	7,008	8	2	6
Kearny	6	77,187	31,025	135,009	56,704	57	6			2,104	4	2	2
Kingman	31	389,150	157,889	594,772	249,804	66	30	1		10,896	12	11	1
Kiowa	12	160,630	67,225	315,965	132,714	51	11	1		5,189	7	6	1
Labette	38	450,277	184,674	895,398	376,067	80	38			13,381	15	9	6
Lane	7	51,493	21,609	236,052	99,142	22	7			1,334	4	4	
Leavenworth	12	87,426	36,446	207,672	89,299	42	11		1	1,902	10	5	5

[1] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.
[2] Included in Unclassified to avoid disclosure of individual operations.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (Ibs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
KANSAS—Continued													
Lincoln	24	326,868	135,940	627,323	269,749	52	24			6,867	9	6	3
Linn	36	395,706	154,338	538,382	226,120	74	37		1	11,039	11	6	5
Logan	10	125,019	50,008	236,117	99,169	54	10			2,981	7	1	6
Lyon	32	336,694	135,815	885,017	371,707	38	31		1	8,487	14	10	4
McPherson	40	633,163	265,635	860,707	370,104	74	40			17,629	13	10	3
Marion	40	763,525	315,112	1,108,242	476,544	69	39		1	19,069	13	10	3
Marshall	49	727,065	304,597	1,130,749	486,222	64	43	3	3	21,564	18	7	11
Meade	10	177,107	74,159	267,356	112,290	66	10			5,026	6	5	1
Miami	23	380,168	154,778	[1] 813,462	341,654	47	22		1	9,782	10	6	4
Mitchell	35	565,653	239,198	530,275	228,018	(1)	30	3	2	14,096	12	7	5
Montgomery	33	468,032	187,800	605,398	254,267	77	31		2	11,618	10	6	4
Morris	19	343,450	141,759	612,121	257,091	56	16	2	1	7,492	9	6	3
Morton	12	231,772	91,531	151,519	63,638	(1)	12			6,373	5	4	1
Nemaha	54	783,117	322,080	1,105,866	475,522	71	47	3	4	19,879	17	6	11
Neosho	48	464,764	182,539	847,954	356,141	55	46		2	13,147	14	9	5
Ness	31	491,061	195,691	596,952	250,720	82	26	4	1	13,604	12	10	2
Norton	29	490,059	216,777	692,767	290,962	71	27	1	1	12,057	13	3	10
Osage	36	595,942	237,654	925,626	388,763	65	33		1	15,558	12	8	4
Osborne	25	599,125	258,521	936,316	402,616	64	23	1	1	14,352	9	4	5
Ottawa	26	449,115	188,401	626,409	269,356	72	26			10,904	10	5	5
Pawnee	17	260,594	107,046	426,826	179,267	61	15	2		7,199	9	8	1
Phillips	40	771,679	326,522	816,793	351,221	95	35	2	3	17,636	13	3	10
Pottawatomie	36	452,709	182,643	774,556	333,059	58	36			11,258	13	7	6
Pratt	12	89,059	36,377	488,102	204,971	18	11	1		2,602	8	7	1
Rawlins	19	221,565	92,343	326,430	137,101	68	19			4,945	8	1	7
Reno	55	705,467	295,487	1,212,239	509,140	58	54		1	20,572	12	10	2
Republic	34	414,763	178,079	802,977	345,280	52	31	1	2	10,692	13	3	10
Rice	35	400,308	167,654	728,376	313,202	55	31	3	1	13,014	11	10	1
Riley	14	192,155	79,651	458,616	197,205	42	13		1	6,133	6	4	2
Rooks	27	480,107	201,671	655,735	281,966	73	26	1		12,152	14	7	7
Rush	34	395,634	162,936	555,165	238,721	71	32		2	10,066	12	9	3
Russell	31	553,410	225,285	591,361	254,285	94	31			13,027	9	6	3
Saline	12	118,343	51,601	530,374	228,061	22	11		1	2,961	9	6	3
Scott	12	133,817	55,890	238,073	99,991	56	12			3,559	7	6	1
Sedgwick	30	307,960	130,816	512,622	215,301	60	26	2	2	8,211	12	10	2
Seward	12	176,695	69,853	139,036	58,395	(1)	11		1	6,006	7	6	1
Shawnee	11	288,129	119,577	629,752	264,496	46	10	1		4,681	5	3	2
Sheridan	14	244,020	104,871	539,186	226,458	45	14			5,664	9	4	5
Sherman	12	179,786	72,667	242,493	101,847	74	12			4,799	7	1	6
Smith	37	762,959	324,569	1,028,697	442,340	74	36		1	21,289	14	3	11
Stafford	19	369,989	162,568	544,086	228,516	68	16	1	2	9,742	6	5	1
Stanton	6	44,456	17,065	52,818	22,184	84	6			1,184	4	3	1
Stevens	10	137,116	56,281	237,973	99,949	58	10			3,893	6	6	
Sumner	42	569,500	235,684	714,550	300,111	90	39	3		16,025	11	9	2
Thomas	13	217,784	87,718	328,226	137,855	66	11		2	3,683	8	4	4
Trego	10	383,677	154,481	591,645	248,491	65	10			10,056	5	4	1
Wabaunsee	24	388,414	152,954	655,183	275,177	59	24			10,317	10	5	5
Wallace	8	145,734	64,009	179,571	75,420	81	8			3,223	4	1	3
Washington	51	654,909	277,510	1,564,025	672,531	42	46	3	2	18,746	15	5	10
Wichita	7	88,811	36,149	183,797	77,195	48	7			2,151	5	4	1
Wilson	36	574,124	231,818	661,173	277,693	87	34	1	1	16,331	12	8	4
Woodson	20	151,896	60,704	324,087	136,096	47	18		2	3,944	13	9	4
Wyandotte	3	84,443	37,072	36,470	15,682	(1)	2	1		6,344	3	3	
Unclassified	9	94,934	39,095				9			2,056	8	7	1
Not reported by any creamery	25	290,407	112,964				18	1	6	3,065			

[1] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (Ibs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
KENTUCKY													
State totals: Cream stations and concentrators—Total butterfat, 12,384,189 pounds; value, $5,095,959. Cream stations—Number, 1,033; butterfat, 12,031,970 pounds; value, $4,935,108. Concentrators—Number, 3; butterfat, 352,219 pounds; value, $160,851.													
Total [1]	998	11,336,495	4,648,644	22,636,231	9,687,147	50	963	25	10	280,328	21	6	15
Adair	13	122,178	50,901	140,080	60,234	87	12	1		3,202	5	3	2
Allen	12	103,616	42,862	158,999	66,780	65	12			2,686	3	2	1
Anderson	24	277,296	115,265	245,979	122,971	97	24			6,936	5	4	1
Ballard	15	216,937	86,696	376,171	154,230	58	15			5,921	5	3	2
Barren	30	340,347	140,368	518,310	217,690	66	30			8,284	5	4	1
Bath	8	152,586	61,068	310,211	133,391	49	8			3,197	4	1	3
Bell													
Bourbon	7	146,338	58,388	232,048	99,781	63	6			3,507	4	2	2
Boyle	5	156,459	62,828	161,443	69,420	97	5			2,376	4	2	2
Bracken	25	281,865	112,796	203,837	129,288	96	24		1	8,005	6	1	5
Breckinridge	17	148,069	57,869	277,246	119,216	53	17			3,216	4	3	1
Bullitt	4	24,124	10,415	148,112	63,688	16	4			569	3	3	
Caldwell	7	92,955	38,389	210,131	86,154	44	7			2,144	4	2	2
Calloway	25	118,813	48,913	142,786	58,547	83	24		1	3,070	5	2	3
Carlisle	11	102,683	40,891	195,050	79,971	53	11			2,468	4	2	2
Carroll	13	194,046	78,054	305,347	134,353	64	13			4,981	5	2	3
Casey	7	33,687	13,628	145,429	62,534	23	6	1		934	3	3	
Christian	8	89,700	37,215	293,143	123,120	31	6	2		2,625	6	2	4
Clark	5	133,574	52,847	209,012	89,875	64	5			3,189	4	2	2
Crittenden	5	29,518	11,915	243,523	99,844	12	5			695	3	1	2
Daviess	15	108,479	44,110	317,833	136,668	34	14	1		2,756	5	3	2
Fleming	17	297,937	116,934	295,712	127,156	(2)	17			8,612	5	1	4
Franklin	9	166,908	70,084	258,764	111,269	65	9			3,586	4	4	
Fulton	10	209,267	92,214	110,294	45,221	(1)	8	2		4,124	6	2	4
Gallatin	10	102,891	41,594	149,904	65,958	69	10			2,629	3	1	2
Garrard	9	201,537	86,526	265,981	114,372	76	8		1	2,729	4	2	2
Grant	14	144,804	58,003	309,635	136,239	47	14			3,700	4	2	2
Grayson	7	30,153	11,932	160,243	67,302	19	7			751	3	2	1
Green	17	135,100	55,419	207,308	87,069	65	16	1		3,154	4	4	
Hancock	6	42,850	17,765	108,287	46,563	40	5	1		1,066	3	1	2
Hardin	14	116,437	45,939	460,664	198,086	25	13	1		3,289	6	4	2
Harrison	10	289,496	114,683	365,962	161,023	79	8		2	7,245	4	3	1
Hart	36	301,397	128,284	499,591	209,828	60	36			7,706	5	4	1
Henderson	16	118,418	49,836	225,112	96,798	53	8	2		2,833	3	1	2
Henry	27	424,829	172,780	459,234	202,063	93	27			11,064	5	4	1
Hickman	6	65,641	26,785	213,218	87,419	31	6			1,686	4	2	2
Jefferson	7	36,040	15,182	137,161	60,351	26	7			991	6	2	4
Jessamine	6	146,516	58,654	209,002	89,871	70	5		1	4,126	5	3	2
Larue	9	103,421	41,350	247,964	106,625	42	9			2,465	4	4	
Lewis	12	139,178	56,344	371,512	159,750	38	12			3,970	3		3
Lincoln	23	257,720	105,671	408,558	175,680	63	23			7,103	6	3	3
McLean	8	61,316	25,643	196,872	84,655	31	8			1,682	3	1	2
Madison	14	259,044	104,357	416,313	179,015	62	14			6,045	4	3	1
Marion	11	144,277	59,943	317,497	139,669	45	10	1		3,299	4	3	1
Marshall	9	81,331	33,543	215,332	88,286	38	9			2,161	4	2	2

[1] To prevent the disclosure of individual operations totals for the following counties are not listed separately but are included in the State total: Boone, 3 cream stations; Boyd, 1; Breathitt, 1; Butler, 2; Campbell, 2; Carter, 3; Clay, 1; Clinton, 1; Cumberland, 3; Edmonson, 11; Elliott, 1; Estill, 1; Fayette, 2; Floyd, 2; Graves, 32; Greenup, 1; Hopkins, 3; Jackson, 1; Kenton, 3; Knox, 2; Laurel, 3; Lawrence, 2; Letcher, 1; Livingston, 1; Logan, 11; Lyon, 2; McCracken, 4; Meade, 8; Menifee, 1; Montgomery, 2; Morgan, 3; Muhlinberg, 1; Ohio, 9; Pike, 1; Powell, 1; Rowan, 2; Simpson, 2; Todd, 7; Union, 4; Whitley, 1; Wolfe, 2; Woodford, 5.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
KENTUCKY—Continued													
Martin													
Mason	13	255,901	103,294	248,212	109,213	(1)	12	1		6,922	5	1	4
Mercer	16	201,521	82,575	465,711	200,256	43	15		1	4,127	6	3	3
Metcalfe	17	121,736	49,662	161,291	67,742	76	17			3,112	4	3	1
Monroe	7	20,837	8,186	87,430	36,721	24	7			442	4	2	2
Nelson	21	268,608	105,728	581,224	249,926	46	19	2		5,684	3	3	
Nicholas	8	177,014	71,330	255,000	109,689	69	8			5,054	4	1	3
Owen	18	247,732	100,638	452,533	199,115	55	18			6,259	8	3	5
Pendleton	12	182,310	78,896	468,647	206,205	39	10		2	3,177	6	2	4
Pulaski	13	256,890	107,052	274,731	115,387	94	12	1		7,063	5	4	1
Robertson	8	91,948	36,549	141,477	62,250	65	8			2,417	3	1	2
Rockcastle	7	49,563	19,817	170,419	71,576	29	7			1,277	4	2	2
Russell	6	37,291	14,863	47,567	19,978	78	6			784	3	3	
Scott	17	171,427	69,890	302,931	130,260	57	17			3,901	5	2	3
Shelby	20	206,200	85,516	407,414	179,262	51	19	1		5,288	5	4	1
Spencer	12	98,481	39,162	192,179	84,559	51	11	1		2,257	3	3	
Taylor	5	101,416	43,186	202,915	89,283	50	5			2,462	3	2	1
Trimble	11	138,847	55,941	255,575	112,453	54	11			3,486	5	4	1
Warren	24	179,880	74,309	362,812	152,381	50	24			4,657	4	2	2
Washington	26	284,861	118,999	338,323	145,479	84	24	2		7,256	5	4	1
Wayne	5	59,526	24,283	81,411	34,193	73	5			1,719	4	2	2
Webster	11	78,256	32,513	232,518	95,332	34	9	1	1	2,078	5	1	4
Unclassified	15	45,250	18,538				14		1	1,006	8	4	4
Not reported by any creamery	40	695,475	286,464				32		8	10,710			

[1] The total shipments of butterfat by cream stations in this county exceed there ported sales of butterfat by farmers. This is probably due to the receipts of butterfat from out-of-county farmers.

MICHIGAN

State totals: Cream stations and concentrators—Total butterfat, 13,435,470 pounds; value, $6,151,775. Cream stations—Number, 970; butterfat, 13,134,321 pounds; value, $6,009,080.

Total [1]	964	13,023,783	5,956,783	46,713,496	21,800,526	28	803	55	106	355,609	67	61	6
Alger	6	88,429	40,843	323,828	142,484	27	4		2	1,318	3	2	1
Allegan	25	425,289	198,265	1,446,564	679,885	29	19	6		11,226	6	6	
Antrim	26	425,880	205,687	680,709	299,512	63	22	2	2	11,806	6	6	
Arenac	8	124,661	54,393	384,847	177,030	32	7	1		4,159	3	3	
Barry	7	112,504	50,026	981,475	461,293	12	1	3	3	2,958	4	4	
Bay	22	177,744	79,328	392,960	184,691	45	17		5	5,192	4	4	
Benzie	6	77,828	37,254	177,281	78,004	44	6			2,318	4	4	
Branch	15	265,802	116,696	831,208	398,980	32	12	2	1	7,581	4	3	1
Calhoun	13	133,977	54,451	859,315	412,471	16	13			4,394	3	3	
Cass	14	286,243	122,643	947,271	464,163	30	10	2	2	6,120	4	4	
Charlevoix	17	264,899	128,674	545,083	239,837	49	16		1	6,478	6	6	
Cheboygan	10	80,328	38,619	527,142	237,214	17	10			3,006	5	5	
Chippewa	12	143,183	65,891	740,725	345,141	19	9		3	2,494	4	3	1
Clare	19	217,454	100,557	381,715	179,406	57	19			7,269	6	6	
Clinton	9	54,310	27,095	362,108	170,191	15	8		1	1,553	4	4	

[1] To prevent the disclosure of individual operations totals for the following counties are not listed separately but are included in the State total: Alcona, 16 cream stations; Alpena, 8; Baraga, 5; Berrien, 2; Crawford, 2; Delta, 2; Emmet, 9; Genesee, 3; Iron, 2; Livingston, 2; Macomb, 3; Marquette, 3; Monroe, 2; Oakland 2; Ogemaw, 10; Ottawa, 4; Presque Isle, 10; Roscommon, 2; Schoolcraft ,1 ;Wayne, 1.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
MICHIGAN—Continued													
Eaton	16	242,492	106,141	622,246	286,233	39	3	6	7	7,479	4	4	
Gladwin	13	310,254	139,198	714,365	335,705	43	12		1	10,834	5	5	
Grand Traverse	13	287,340	139,432	477,001	214,650	60	11	1	1	6,529	3	3	
Gratiot	21	120,692	59,365	828,374	389,336	15	20		1	3,963	5	5	
Hillsdale	19	145,705	63,343	1,021,099	500,339	14	16	2	1	4,728	4	3	1
Houghton	6	32,078	14,473	773,634	363,608	4	5		1	648	3	2	1
Huron	43	464,412	193,096	1,099,672	494,852	42	41	1	1	14,541	7	7	
Ingham	9	101,491	45,404	316,320	151,834	32	5	1	3	1,848	6	6	
Ionia	17	214,661	99,983	1,311,139	616,235	16	15	1	1	6,559	7	7	
Iosco	7	47,863	21,619	391,195	176,038	12	6		1	1,193	4	4	
Isabella	18	148,154	73,165	1,037,500	498,000	14	16	1	1	4,203	7	7	
Jackson	6	121,415	53,374	602,003	282,941	20	3	2	1	3,160	5	5	
Kalamazoo	9	84,106	34,729	504,192	236,970	17	9			2,716	4	4	
Kalkaska	9	122,327	57,552	290,348	127,753	42	7		2	3,292	4	4	
Kent	10	214,658	101,864	1,072,190	514,651	20	7	1	2	5,358	6	6	
Lake	8	62,881	28,690	365,164	167,975	17	7		1	1,403	4	4	
Lapeer	11	164,434	72,768	556,363	250,363	30	10		1	5,408	7	7	
Leelanau	12	210,302	99,466	366,391	161,212	57	8		4	4,013	4	4	
Lenawee	15	196,267	88,077	342,653	164,473	57	10	1	4	4,094	6	4	2
Manistee	15	309,298	142,173	487,280	214,403	64	11	2	2	7,319	7	7	
Mason	19	351,516	174,041	717,338	329,975	49	17	2		10,573	4	4	
Mecosta	21	146,851	72,606	1,384,618	664,617	11	20		1	4,093	7	6	
Menominee	8	195,296	73,407	796,575	374,390	25	4		4	3,130	3	2	1
Midland	16	136,301	60,052	431,875	207,300	32	14		2	5,175	7	7	
Missaukee	17	358,130	176,936	1,046,604	481,438	34	13	1	3	7,343	4	4	
Montcalm	42	349,747	169,152	1,157,870	555,778	30	39	2	1	11,205	10	10	
Montmorency	7	107,834	49,667	237,668	106,951	45	7			3,517	4	4	
Muskegon	5	20,843	9,607	251,548	115,712	8	5			611	3	3	
Newaygo	15	243,480	115,631	1,324,507	609,273	18	13	2		7,267	5	5	
Oceana	13	323,365	149,630	1,010,124	464,657	32	9	4		7,091	6	6	
Ontonagon	9	157,595	70,328	775,035	364,266	20	8		1	3,828	4	2	2
Osceola	21	335,669	158,878	1,159,313	556,470	29	16	2	3	9,260	7	7	
Otsego	8	126,797	55,458	176,358	79,361	72	7		1	4,632	3	3	
Saginaw	21	190,367	84,797	594,831	279,571	32	15		6	5,289	8	8	
St. Clair	14	136,649	61,188	149,150	67,118	92	13	1		4,677	4	4	
St. Joseph	8	121,648	49,701	1,040,741	478,741	12	5	1	2	1,875	5	5	
Sanilac	52	609,882	274,562	1,257,819	605,275	47	49	2	1	19,896	11	11	
Shiawassee	11	91,656	42,570	429,226	197,444	21	10		1	2,279	4	4	
Tuscola	38	409,059	183,205	812,124	373,577	50	32		6	12,129	12	12	
Van Buren	19	478,024	233,182	904,706	425,212	53	16	2	1	12,179	7	7	
Washtenaw	3	23,707	10,887	316,785	148,889	8	2		1	171	3	2	1
Wexford	18	304,069	143,986	587,848	270,410	52	13		5	7,426	8	8	
Unclassified	4	39,061	20,059				4			920	3	3	
Not reported by any creamery	6	110,558	49,297				3		3	1,840			

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES		CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture)		Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES			Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED		
		Pounds	Value (dollars)	Pounds	Value (dollars)		Commission	Salary	Independent		Total	Within State	In other States
MINNESOTA													
State totals: Cream stations and concentrators—Total butterfat, 19,685,428 pounds; value, $8,803,357. Cream stations—Number, 1,214; butterfat, 19,629,242 pounds; value, $8,777,597.													
Total [1]	1,206	19,422,023	8,683,923	198,797,718	96,018,988	10	1,093	62	51	567,387	53	35	18
Aitkin	11	129,992	60,516	2,070,197	1,014,397	6	11			3,605	3	3	
Anoka	4	56,413	25,412	460,215	225,505	12	4			1,220	3	3	
Becker	32	303,723	137,779	2,543,759	1,170,129	12	30	2		7,706	10	9	1
Beltrami	9	97,054	43,529	1,163,531	546,860	8	9			2,752	4	4	
Benton	21	347,541	160,207	2,185,191	1,070,744	16	21			8,661	7	7	
Big Stone	22	474,728	215,824	850,705	399,831	56	21	1		15,971	9	7	2
Blue Earth	14	215,446	99,891	3,672,405	1,799,478	6	12		2	6,445	5	2	3
Brown	15	237,416	104,823	2,551,288	1,250,131	9	15			7,500	6	4	2
Cass	9	98,754	44,295	1,660,210	780,299	6	9			2,488	3	3	
Chippewa	22	258,723	123,330	1,377,393	647,375	19	22			8,254	8	8	
Clay	20	224,697	99,177	1,175,105	540,548	19	18	2		6,746	5	4	1
Clearwater	8	117,893	51,704	1,340,751	616,745	9	5	2	1	2,876	3	3	
Cottonwood	19	548,807	241,792	1,866,479	877,245	29	18	1		18,714	7	3	4
Crow Wing	10	248,733	112,824	1,108,827	543,325	22	9		1	7,156	6	6	
Dodge	13	167,331	77,073	1,739,361	809,681	10	12		1	4,004	7	5	2
Douglas	11	364,645	162,441	3,548,009	1,667,564	10	9	2		8,091	5	5	
Faribault	20	369,539	164,616	3,130,688	1,534,037	12	19		1	12,042	7	3	4
Fillmore	18	231,674	103,676	3,786,804	1,893,402	6	15		3	4,868	5	4	1
Freeborn	10	94,847	44,015	5,051,960	2,475,460	2	10			2,554	4	2	2
Goodhue	15	295,252	134,495	3,737,267	1,868,634	8	10		5	7,087	6	4	2
Grant	11	220,197	95,935	1,581,543	743,325	14	7	4		7,369	5	5	
Hubbard	9	160,176	75,945	822,620	386,631	20	8		1	3,249	4	3	1
Itasca	8	89,892	40,952	938,316	441,009	10	8			1,918	4	4	
Jackson	13	190,284	82,334	2,442,398	1,147,927	8	12	1		6,754	6	3	3
Kanabec	6	84,816	37,964	2,063,658	1,011,192	4	6			2,640	3	3	
Kandiyohi	21	270,711	125,940	2,628,827	1,288,125	10	19	2		10,502	9	8	1
Kittson	22	302,525	133,706	1,966,973	890,808	28	18		4	6,986	6	5	1
Lac Qui Parle	23	332,134	145,489	1,840,396	864,986	18	19		1	11,536	10	8	2
Le Sueur	19	338,024	152,863	2,721,084	1,333,307	12	19			10,843	6	5	1
Lincoln	16	362,763	158,204	2,000,731	920,336	18	15	1		10,687	7	3	4
Lyon	39	576,033	260,861	1,742,627	801,608	33	36		3	18,021	9	6	3
McLeod	10	105,484	45,198	4,267,609	2,091,128	3	3	7		3,186	5	5	
Mahnomen	8	46,144	19,701	637,964	293,463	7	8			1,502	4	4	
Marshall	23	428,075	188,263	2,104,402	968,025	20	27	1		12,088	4	4	
Martin	18	286,277	127,428	3,040,071	1,489,635	9	16	1	1	7,720	6	3	3
Meeker	15	278,710	121,443	3,813,041	1,868,390	7	12	3		8,200	8	8	
Mille Lacs	20	517,587	240,444	3,276,601	1,605,534	16	19	1		15,279	9	9	
Morrison	29	476,581	214,729	3,975,099	1,947,794	12	29			13,564	10	10	
Mower	6	65,360	30,536	2,961,517	1,480,759	2	7		1	1,749	6	3	3
Murray	19	296,522	130,732	1,920,068	883,231	15	18	1		9,141	8	4	4
Nicollet	5	72,507	33,886	2,443,554	1,197,341	3	5			2,235	3	2	1
Nobles	25	594,393	259,469	2,019,962	929,183	29	22	2	1	18,704	8	2	6
Norman	9	143,138	60,770	1,688,325	776,630	9	8	1		3,983	4	4	
Olmsted	7	172,212	79,968	2,714,294	1,357,147	6	5		2	2,403	4	3	1
Otter Tail	24	352,997	153,343	8,869,818	4,168,814	4	21	1	2	9,109	10	9	1
Pennington	10	207,256	92,101	1,125,468	517,715	18	7		3	4,909	5	5	
Pine	8	138,452	63,564	4,184,072	2,050,195	3	8			3,218	4	4	
Pipestone	21	279,502	124,017	1,268,595	583,554	22	21			8,589	7	3	4
Polk	24	365,078	163,616	3,772,395	1,735,302	10	22	1	1	10,090	4	3	1
Pope	12	206,119	90,595	2,248,438	1,056,766	9	7	1	4	6,497	7	7	

[1] To prevent the disclosure of individual operations totals for the following counties are not listed separately but are included in the State total: Carlton, 1 cream station; Carver, 1; Chisago, 2; Dakota, 4; Houston, 9; Isanti, 2; Koochiching, 1; Lake of the Woods, 3; Washington, 1.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES		CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture)		Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES			Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED		
		Pounds	Value (dollars)	Pounds	Value (dollars)		Commission	Salary	Independent		Total	Within State	In other States
MINNESOTA—Continued													
Red Lake	10	177,076	78,155	853,553	392,634	21	10			5,210	5	4	1
Redwood	47	652,046	281,487	2,389,440	1,123,037	27	47			20,466	11	6	5
Renville	31	591,159	261,031	3,404,743	1,668,324	17	27	4		22,007	13	11	2
Rice	7	58,040	26,397	2,961,611	1,451,189	2	6		1	1,789	5	4	1
Rock	16	255,226	113,361	1,390,854	639,793	18	15	1		7,850	7	1	6
Roseau	15	155,511	64,685	1,637,316	753,165	10	15			4,049	6	6	
Saint Louis	8	346,350	165,382	1,636,746	755,638	21	8			7,402	3	2	1
Scott	7	125,843	56,954	1,819,712	891,659	7	7			3,830	6	5	1
Sherburne	8	144,971	66,641	1,011,777	495,771	14	8			4,222	6	6	
Sibley	9	145,620	62,979	3,390,452	1,661,321	4	8	1		4,572	7	5	2
Stearns	25	476,746	217,491	7,694,669	3,770,388	6	23	2		14,227	7	7	
Steele	7	69,006	31,187	3,550,744	1,739,865	2	7			1,983	4	2	2
Stevens	15	396,238	180,156	1,166,071	548,053	34	12	2	1	9,506	8	7	1
Swift	14	277,645	126,589	1,522,125	715,399	18	10	1	3	7,438	7	7	
Todd	12	162,225	70,439	5,541,609	2,715,388	3	12			4,661	6	6	
Traverse	13	261,296	117,217	966,187	454,108	27	11	2		8,557	10	8	2
Wabasha	21	300,270	135,745	2,880,562	1,440,281	10	17	2	2	8,193	8	6	2
Wadena	5	47,325	21,177	1,585,532	775,911	3	5			1,482	3	3	
Waseca	9	121,954	54,467	2,474,631	1,212,569	5	9			3,737	5	3	2
Watonwan	14	228,462	100,993	1,838,680	900,953	12	14			7,974	5	2	3
Wilkin	27	313,033	129,601	1,037,298	457,530	30	27			8,645	11	7	4
Winona	13	105,825	48,295	3,618,563	1,809,282	3	7	1	5	1,583	7	5	2
Wright	24	272,423	119,402	5,166,850	2,531,757	5	22	2		7,997	8	8	
Yellow Medicine	31	513,667	226,279	1,723,332	809,966	30	28	3		17,771	10	7	3
Unclassified	4	56,362	25,654				4			1,677	4	4	
Not reported by any creamery	8	207,219	93,674				5		3	1,526			

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES		CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture)		Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES			Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED		
		Pounds	Value (dollars)	Pounds	Value (dollars)		Commission	Salary	Independent		Total	Within State	In other States
MISSOURI													
State totals: Cream stations and concentrators—Total butterfat, 32,832,393 pounds; value, $13,953,332. Cream stations—Number, 2,844; butterfat, 31,051,501 pounds; value, $13,181,638. Concentrators—Number, 16; butterfat, 1,780,892 pounds; value, $771,694.													
Total [1]	2,837	30,256,127	12,843,270	55,672,669	23,936,143	54	2,496	34	306	695,172	75	39	36
Adair	27	284,793	121,024	552,389	243,051	52	18	1	8	5,460	10	5	5
Andrew	32	364,237	156,804	857,008	377,084	43	29		3	8,606	13	5	8
Atchison	19	227,290	103,899	365,260	160,714	62	17		2	6,326	8	1	7
Audrain	20	170,519	69,538	362,850	159,654	47	18	1	1	5,048	12	9	3
Barry	41	499,080	196,823	916,505	384,932	55	40		1	12,919	12	10	2
Barton	30	325,455	132,021	569,028	238,992	57	27		3	7,950	13	6	7
Bates	59	672,800	275,521	923,531	387,883	73	38		1	17,188	13	8	5
Benton	24	355,480	160,084	497,394	213,879	72	23		1	10,892	8	7	1
Bollinger	17	106,701	43,567	257,519	108,158	41	17			2,232	5	4	1
Boone	26	274,641	115,946	229,165	98,541	(2)	21	2	3	7,598	9	6	3
Buchanan	24	226,429	97,424	344,226	151,459	66	23		1	5,895	9	4	5
Butler	8	37,422	15,920	202,260	86,972	19	4		4	819	5	3	2
Caldwell	33	546,584	234,363	581,589	255,899	94	20	2	11	10,134	10	4	6
Callaway	20	175,909	74,501	276,456	118,876	64	18	1	1	3,804	11	8	3
Camden	27	126,003	54,002	211,787	91,068	60	25		2	2,498	10	8	2
Cape Girardeau	33	450,602	178,400	866,900	372,767	52	30		3	9,570	8	7	1
Carroll	27	425,987	183,972	633,828	278,884	67	20	1	6	8,435	10	7	3
Carter	3	9,791	4,383	43,362	18,212	23	3			162	3	3	
Cass	52	742,848	298,741	842,431	353,821	88	50	1	1	19,226	10	6	4
Cedar	21	183,056	75,442	453,395	190,426	40	21			4,357	10	7	3
Charlton	36	483,817	207,092	760,298	334,531	64	33	1	2	12,171	10	6	4
Christian	16	209,052	93,954	764,997	321,299	27	16			4,837	7	7	
Clark	21	213,791	95,373	381,556	167,885	56	9		12	894	6	1	5
Clay	27	236,828	98,433	187,190	82,364	(3)	26		1	6,660	10	6	4
Clinton	30	300,545	128,078	316,718	139,356	99	21		9	4,873	12	6	6
Cole	26	318,494	137,956	444,244	191,025	72	20		6	8,165	9	7	2
Cooper	17	186,790	78,656	272,807	117,307	69	17			5,256	6	5	1
Crawford	19	205,390	87,358	254,631	109,491	81	17		2	3,986	7	6	1
Dade	30	339,515	140,373	633,169	265,931	54	30			5,578	9	6	3
Dallas	22	279,114	124,216	640,099	275,243	44	21			5,973	6	5	1
Daviess	23	364,662	151,333	786,052	345,863	46	19		4	9,734	12	4	8
De Kalb	30	375,933	160,639	433,724	190,839	87	25		5	6,914	11	7	4
Dent	26	170,174	71,754	368,375	154,718	40	20		6	3,327	7	5	2
Douglas	66	431,046	175,297	710,802	298,537	61	66			10,585	6	6	
Dunklin	9	34,344	14,540	73,972	31,808	46	8		1	629	4	3	1
Franklin	20	358,944	153,710	734,323	315,759	49	11	1	8	7,700	7	4	3
Gasconade	13	179,709	76,759	291,921	125,526	62	11	1	1	6,242	8	6	2
Gentry	22	461,513	197,188	706,410	310,820	65	22			12,284	8	1	7
Greene	40	479,645	206,682	1,370,925	575,789	35	38		2	10,095	9	7	2
Grundy	26	385,839	163,382	490,262	215,715	79	23		3	9,756	8	4	4
Harrison	41	497,697	215,981	1,120,541	493,038	44	38		3	12,212	11	2	9
Henry	32	420,681	188,196	786,357	330,270	54	30		2	10,919	12	9	3
Hickory	16	83,373	34,824	269,472	115,873	31	14	1	1	3,110	8	5	3
Holt	22	222,132	98,795	418,179	183,999	53	22			5,767	10	3	7
Howard	9	112,043	46,490	169,831	73,027	66	9			2,567	6	4	2
Howell	30	832,291	344,843	637,206	267,627	(2)	29	1		23,399	9	8	1
Jackson	14	167,265	68,460	360,923	151,588	46	11		3	3,049	7	4	3
Jasper	35	389,985	164,232	572,778	240,567	68	31	2	2	7,044	11	9	2
Jefferson	6	91,209	40,063	93,672	40,279	97	4		2	2,116	4	3	1
Johnson	37	571,016	240,167	974,221	409,173	59	33		4	12,365	12	8	4

[1] To prevent the disclosure of individual operations totals for the following counties are not listed separately but are included in the State total: Iron, 2 cream stations; Mississippi, 2; New Madrid, 2; Premiscot, 1; Reynolds, 2.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farms.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES		CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture)		Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES			Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED		
		Pounds	Value (dollars)	Pounds	Value (dollars)		Commission	Salary	Independent		Total	Within State	In other States
MISSOURI—Continued													
Knox	23	209,093	91,657	300,505	132,222	70	16		7	2,075	7	2	5
Laclede	53	312,502	134,534	664,831	285,877	47	49		4	6,192	11	9	2
Lafayette	28	264,610	109,002	1,069,716	449,281	25	27		1	7,973	9	6	3
Lawrence	29	207,371	84,865	515,645	216,571	40	29			4,464	9	7	2
Lewis	21	234,283	100,939	567,816	240,839	41	14	1	6	3,195	5		5
Lincoln	18	146,649	61,571	247,644	106,487	59	16		2	3,069	7	3	4
Linn	45	650,480	281,623	712,936	313,692	91	41	1	3	16,557	10	6	4
Livingston	21	199,216	88,388	533,272	234,640	37	19		2	5,401	7	2	5
McDonald	18	117,116	49,415	246,447	103,508	48	18			2,312	7	4	3
Macon	51	845,031	350,864	941,053	414,064	90	38	3	10	16,349	12	5	7
Madison	5	48,576	22,071	70,248	29,504	69	3		2	943	3	2	1
Maries	7	84,827	35,584	288,750	124,163	29	6		1	2,115	5	4	1
Marion	8	97,377	43,060	777,276	342,001	13	5		3	1,202	5	2	3
Mercer	26	261,333	100,813	533,407	234,099	49	25		1	6,365	9	3	6
Miller	18	103,477	45,542	356,069	153,110	29	15		3	2,872	7	6	1
Moniteau	21	372,461	170,447	433,136	186,248	86	21			10,789	7	5	2
Monroe	25	327,372	140,330	500,823	220,362	65	24		1	7,481	8	7	1
Montgomery	21	216,302	90,666	355,692	152,948	61	18	1	2	6,226	9	8	1
Morgan	20	279,369	124,352	383,250	164,798	73	19		1	8,196	7	5	2
Newton	26	263,598	111,940	413,016	173,467	64	23		3	3,042	12	9	3
Nodaway	53	718,389	316,449	1,208,230	531,621	60	49	2	2	19,564	16	3	13
Oregon	21	104,474	43,472	247,387	103,903	42	20		1	2,349	6	6	
Osage	21	168,262	71,953	236,198	101,565	71	17		4	4,734	7	6	1
Ozark	12	223,367	91,336	516,367	216,857	43	12			3,766	3	3	
Perry	11	206,120	86,419	477,511	205,330	43	10		1	5,903	5	4	1
Pettis	30	232,078	106,230	564,125	242,574	41	28		2	6,585	11	8	3
Phelps	15	339,479	146,128	473,304	203,521	72	12		3	3,610	6	6	
Pike	26	172,680	72,676	585,483	257,613	30	23		3	4,772	10	4	6
Platte	29	190,945	79,134	262,771	115,619	73	29			5,543	9	5	4
Polk	46	546,748	232,958	1,280,338	550,545	43	42	1	3	11,674	10	7	3
Pulaski	29	329,608	140,583	374,531	161,048	88	22		7	4,727	8	7	1
Putnam	29	284,414	122,887	486,241	213,946	59	21		8	6,549	7	1	6
Ralls	5	60,344	26,148	727,059	319,906	8	4		1	695	4		4
Randolph	26	361,829	158,272	558,218	245,616	65	21	1	4	7,457	11	7	4
Ray	31	313,029	129,423	447,998	197,119	70	27	1	3	8,302	12	7	5
Ripley	11	160,707	66,932	226,613	95,177	71	11			3,640	6	6	
St. Charles	8	54,674	23,338	414,714	178,327	13	5		3	556	4	3	1
St. Clair	40	250,367	107,398	559,476	234,980	45	38		2	6,497	11	8	3
St. Francois	8	71,857	31,117	155,130	66,706	46	7		1	1,844	4	3	1
St. Louis	6	31,153	13,163	65,774	28,283	47	6			669	4	3	1
St. Louis city	17	31,958	14,458						17		4	3	1
Ste. Genevieve	3	12,305	5,026	107,921	46,406	11	2		1	211	3	3	
Saline	22	330,921	135,884	711,979	306,151	47	19	2	1	8,480	11	7	4
Schuyler	22	394,771	170,229	421,587	185,498	94	14	1	7	5,749	11	3	8
Scotland	23	266,829	117,055	449,473	197,768	59	15		8	4,050	6	1	5
Scott	6	50,640	21,395	154,065	66,248	33	6			1,445	3	2	1
Shannon	9	63,715	26,907	201,152	84,484	32	9			1,728	3	3	
Shelby	28	168,043	70,668	321,322	141,382	52	19		9	1,987	9	5	5
Stoddard	30	385,950	153,740	585,551	251,787	66	30			10,261	9	7	2
Stone	35	251,731	104,211	609,276	255,806	41	34		1	4,930	9	9	
Sullivan	37	485,388	212,235	573,849	252,494	85	34	1	2	9,935	12	6	6
Taney	15	72,015	30,549	310,708	130,497	23	15			1,335	6	5	1
Texas	54	312,175	131,022	840,188	352,879	37	52		2	7,689	7	7	
Vernon	66	364,995	150,164	648,535	272,385	56	58		7	7,903	13	7	6
Warren	9	85,372	37,476	219,307	94,302	30	6		3	2,711	4	2	2
Washington	9	45,038	18,353	124,599	53,578	36	7		2	877	4	3	1
Wayne	12	44,835	18,268	126,015	52,926	36	11		1	1,118	3	3	
Webster	50	325,682	138,471	2,009,625	844,043	16	44	1	5	7,752	16	12	4
Worth	15	290,101	124,787	296,591	130,500	98	15			7,173	6	1	5
Wright	65	527,096	221,586	890,778	374,127	59	60	2	3	12,030	8	8	
Unclassified	26	68,498	28,982				24		2	1,455	11	7	4
Not reported by any creamery	7	795,374	338,368				5		2	3,043			

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
MONTANA													
State totals: Cream stations and concentrators—Total butterfat, 4,082,052 pounds; value, $1,699,752. Cream stations—Number, 160; butterfat, 3,506,947 pounds; value, $1,454,319.													
Total [1]	154	3,367,882	1,396,721	13,888,373	6,008,055	24	148	1	5	91,445	26	15	11
Chouteau	4	90,723	36,265	262,094	112,700	35	4			3,212	3	3	
Custer	3	82,118	34,917	130,384	56,065	63	3			2,718	3	3	
Dawson	7	221,990	94,712	258,206	108,447	86	7			5,674	3	1	2
Fallon	6	151,730	62,919	280,336	120,544	54	6			4,714	3	1	2
Fergus	12	229,311	88,927	768,311	322,691	30	12			6,459	3	3	
Gallatin	12	576,398	247,322	777,572	342,132	74	12			15,145	5	5	
Park	3	93,963	31,494	336,606	141,375	28	1	1	1	2,175	3	3	
Richland	4	61,496	27,192	263,817	110,803	23	4			1,760	3	1	2
Sheridan	10	93,181	37,935	262,959	110,443	35	10			2,608	3		3
Stillwater	9	159,115	56,934	479,890	201,554	33	6		3	3,148	5	5	
Not reported by any creamery	6	139,065	57,598				4		2	1,553			

[1] To prevent disclosure of individual operations, totals for following counties are not listed separately, but are included in the State total: Big Horn, 1 cream station; Blaine, 4; Carbon, 4; Carter, 3; Cascade, 1; Daniels, 4; Garfield, 1; Golden Valley, 1; Granite, 1; Judith Basin, 4; Lake, 8; Lincoln, 1; McCone, 4; Madison, 2; Petroleum, 2; Phillips, 4; Pondera, 1; Powder River, 1; Prairie, 2; Ravalli, 5; Roosevelt, 7; Rosebud, 2; Sweet Grass, 1; Valley, 8; Wheatland, 1; Wibeaux, 5; Yellowstone, 6.

NEBRASKA													
State totals: Cream stations and concentrators—Total butterfat, 38,978,368 pounds; value, $16,551,345. Cream stations—Number, 2,265; butterfat, 33,712,017 pounds; value, $14,300,839. Concentrators—Number, 99; butterfat, 5,266,351 pounds; value, $2,250,506.													
Total	2,253	33,533,630	14,225,817	52,792,294	22,515,779	64	2,135	45	73	901,015	58	36	22
Adams	18	255,264	113,823	623,875	274,505	41	17	1		9,369	7	7	
Antelope	36	636,956	273,662	1,086,171	477,915	59	35	1		17,468	15	11	4
Arthur	7	112,939	47,046	186,309	81,976	61	6		1	2,972	5	5	
Banner [1]													
Blaine	8	92,180	40,550	158,062	67,975	58	8			2,124	7	6	1
Boone	41	868,692	382,908	1,040,261	436,910	84	40	1		24,834	13	11	2
Box Butte	8	307,108	136,346	289,476	124,475	(2)	7	1		7,913	6	6	
Boyd	26	434,131	183,662	525,211	225,841	83	24		2	10,282	10	8	2
Brown	13	222,429	94,662	508,377	213,518	44	13			5,125	9	7	2
Buffalo	45	648,388	274,294	889,411	382,447	73	45			17,943	15	12	3
Burt	23	313,434	122,019	665,529	286,177	47	23			8,118	10	9	1
Butler	40	306,436	131,648	499,902	214,829	61	39		1	8,220	12	10	2
Cass	37	354,532	148,415	701,878	301,808	51	36		1	8,510	13	12	1
Cedar	41	615,795	260,185	937,230	412,381	66	39	2		19,516	14	8	6
Chase	16	238,891	99,183	184,581	77,524	(2)	16			5,532	9	7	2
Cherry	28	372,533	159,152	773,633	332,662	48	28			8,476	13	11	2
Cheyenne	26	318,319	130,483	329,263	141,583	97	22	2	2	8,808	13	11	2
Clay	47	627,161	267,284	682,180	293,337	92	44	3		18,889	14	12	2
Colfax	24	354,306	152,399	454,112	195,268	78	22	1	1	8,214	9	8	1
Cuming	28	348,607	147,134	726,285	305,040	48	27	1		9,606	12	9	3
Custer	78	1,121,708	475,423	2,101,746	882,733	53	77		1	28,016	17	14	3
Dakota	14	124,502	50,944	240,536	108,241	52	14			3,011	10	6	4
Dawes	6	52,990	23,778	359,054	154,393	15	6			1,258	6	4	2
Dawson	35	537,719	225,786	655,779	275,427	82	34		1	15,418	14	11	3
Deuel	12	186,104	75,182	143,148	61,554	(2)	12			4,797	9	6	3

[1] Included in unclassified to avoid disclosure of individual operations.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
NEBRASKA—Continued													
Dixon	35	355,293	154,154	680,969	286,007	52	35			9,353	13	6	7
Dodge	32	687,562	292,712	683,707	293,994	(2)	29	2	1	18,172	12	10	2
Douglas	9	53,489	23,511	82,277	35,379	65	8		1	1,029	5	4	1
Dundy	16	194,729	80,288	225,273	94,615	86	16			4,552	7	6	1
Fillmore	35	491,182	209,362	768,713	322,859	64	31	1	3	14,757	13	12	1
Franklin	37	575,416	246,241	640,742	262,704	90	32	2	3	15,400	14	13	1
Frontier	18	312,664	129,052	529,311	222,311	59	17		1	6,959	10	9	1
Furnas	29	600,625	253,270	632,482	271,967	95	27		2	15,090	12	11	1
Gage	52	872,056	368,465	1,301,691	546,710	67	49	3		23,310	15	11	4
Garden	15	156,059	66,028	202,092	86,900	77	15			3,703	10	7	3
Garfield	6	106,347	47,478	328,491	137,966	32	6			2,520	6	5	1
Gosper	10	114,135	47,609	384,214	165,212	28	10			2,592	8	8	
Grant	3	43,044	17,483	78,329	34,465	55	3			934	3	3	
Greeley	19	379,816	167,154	670,053	274,722	57	19			10,155	10	8	2
Hall	24	453,726	193,989	652,392	280,529	70	21	2	1	12,988	10	9	1
Hamilton	29	374,207	156,832	750,627	315,263	50	29			10,846	12	11	1
Harlan	27	402,994	166,956	515,817	221,801	78	23	1	3	8,392	10	9	1
Hayes	7	72,704	30,960	169,437	71,164	43	7			1,883	4	4	
Hitchcock	20	326,149	134,608	377,256	158,448	87	20			7,485	9	8	1
Holt	45	671,689	278,667	1,375,455	591,446	49	43	2		16,985	14	12	2
Hooker	4	121,203	50,089	68,213	28,649	(2)	3		1	3,285	4	3	1
Howard	41	485,524	207,584	1,099,062	450,615	44	40	1		13,035	15	12	3
Jefferson	39	466,498	198,382	831,666	349,300	56	36	1	2	12,737	12	8	4
Johnson	29	349,722	148,472	511,276	219,849	68	26	1	2	8,525	12	10	2
Kearney	17	179,182	77,880	433,523	182,080	41	15	1	1	5,572	11	11	
Keith	22	139,740	59,205	244,739	105,238	57	22			3,716	10	8	2
Keyapaha	20	240,552	100,392	399,873	171,945	60	20			5,170	8	6	2
Kimball	8	103,569	42,953	151,881	65,309	68	8			2,877	5	4	1
Knox	48	773,006	330,595	1,187,084	498,575	66	48			19,642	15	10	5
Lancaster	37	474,905	201,569	892,758	383,886	53	35		2	13,476	9	9	
Lincoln	35	338,562	137,671	762,986	328,084	44	35			8,213	13	11	2
Logan	9	161,753	72,391	155,634	66,923	(2)	8		1	3,355	7	7	
Loup	8	155,110	75,920	199,091	85,609	93	8			4,320	5	5	
McPherson	7	66,389	27,803	106,244	45,685	63	7			1,503	6	6	
Madison	45	654,295	302,411	1,017,013	437,316	64	40		5	16,625	15	12	3
Merrick	27	329,448	144,131	724,660	304,315	46	27			11,246	11	9	2
Morrill	21	306,543	130,598	344,597	144,731	89	21			8,301	11	9	2
Nance	19	499,910	221,119	590,461	242,089	85	16		3	13,951	9	8	1
Nemaha	20	339,520	143,706	554,566	244,009	61	18	2		10,435	12	9	3
Nuckolls	36	597,286	261,017	705,796	303,492	85	30	4	2	17,179	11	9	2
Otoe	37	652,354	274,555	868,153	381,987	75	37			21,622	16	12	4
Pawnee	23	218,962	93,726	552,697	237,660	40	21		2	5,708	10	7	3
Perkins	17	230,230	93,106	250,991	107,926	92	17			5,988	8	6	2
Phelps	23	298,378	125,220	403,119	169,310	74	20		3	6,490	10	10	
Pierce	25	383,176	163,470	775,161	341,071	49	22	1	2	10,617	13	8	5
Platte	37	610,369	262,999	1,094,916	470,814	56	35		2	17,702	15	13	2
Polk	21	311,846	123,893	497,275	203,883	63	21			5,769	9	8	1
Redwillow	22	294,506	123,946	462,205	194,126	63	21		1	7,039	11	10	1
Richardson	22	422,563	175,948	623,159	274,190	68	20	1	1	13,024	10	9	1
Rock	12	173,622	76,125	444,111	190,968	39	11	1		4,155	9	8	1
Saline	38	654,759	274,497	664,475	285,724	99	37	1		22,948	12	10	2
Sarpy	6	63,887	26,842	137,391	57,704	47	6			1,759	5	4	1
Saunders	40	470,572	203,587	574,488	247,030	82	36	1	3	15,275	14	11	3
Scotts Bluff	27	435,397	189,979	410,854	180,776	(2)	25		2	11,920	11	10	1
Seward	27	470,479	195,004	793,666	349,213	59	24		3	11,872	12	10	2

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
NEBRASKA—Continued													
Sheridan	20	297,991	124,153	618,105	265,785	48	20			7,165	10	8	2
Sherman	18	497,404	188,912	931,430	381,886	53	18			12,547	8	8	
Sioux	6	105,621	43,818	284,771	119,604	37	6			2,405	5	5	
Stanton	6	73,970	30,397	459,854	188,540	16	6			1,956	6	4	2
Thayer	38	627,197	288,599	848,075	364,672	74	33	3	2	20,454	15	13	2
Thomas	9	75,253	32,281	90,219	38,794	83	9			1,686	7	7	
Thurston	16	279,543	117,751	402,378	173,023	70	16			6,236	10	7	3
Valley	21	349,539	147,892	745,845	313,171	47	20		1	8,505	11	10	1
Washington	18	222,863	97,988	679,962	299,183	33	17		1	4,863	10	8	2
Wayne	32	439,694	188,437	662,534	284,890	66	29	1	2	11,152	13	9	4
Webster	27	595,332	238,927	595,999	256,280	100	24		3	15,618	8	8	
Wheeler	8	128,779	48,147	206,851	88,946	62	8			3,216	6	6	
York	29	580,845	239,693	840,159	352,867	69	28		1	15,452	12	11	1
Unclassified	11	55,890	23,320				11			1,085	10	6	4
Not reported by any creamery	12	178,397	75,022				8	1	3	3,135			
NORTH DAKOTA													
State totals: Cream stations and concentrators—Total butterfat, 26,766,941 pounds; value, $11,699,704. Cream stations—Number, 1,476; butterfat, 26,290,691 pounds; value, $11,486,992. Concentrators—Number, 5; butterfat, 476,250 pounds; value, $212,712.													
State Total [1]	1,440	25,086,062	10,963,937	47,519,470	20,887,030	53	1,391	13	36	670,932	33	11	23
Barnes	60	1,104,052	497,120	1,673,916	753,262	66	57	2	1	31,315	12	4	8
Benson	38	459,263	198,593	957,512	421,305	48	38			13,277	9	5	4
Bottineau	36	562,532	243,966	1,029,874	442,946	55	34	1	1	13,193	5	3	2
Bowman	10	172,715	74,173	371,006	159,533	47	9		1	5,211	5		5
Burke	20	302,217	127,345	489,516	210,492	62	20			8,756	5	3	2
Burleigh	20	206,833	89,111	690,189	303,683	30	19		1	5,219	8	3	5
Cass	52	927,988	415,453	1,688,612	759,875	55	48		4	25,010	9	3	6
Cavalier	35	425,486	183,853	1,007,677	443,378	42	35			11,483	6	3	3
Dickey	22	395,800	171,111	914,960	411,732	43	21	1		10,226	7	3	4
Divide	17	185,033	79,135	569,097	244,712	33	16		1	4,981	4	3	1
Dunn	23	371,737	155,261	771,419	331,710	48	23			10,193	7	4	3
Eddy	16	202,022	87,471	462,982	208,342	44	16			5,872	9	3	6
Emmons	32	587,143	253,647	1,222,751	525,783	48	32			18,268	12	5	7
Foster	15	256,563	125,972	504,086	226,839	57	15			8,140	7	3	4
Golden Valley	9	99,583	41,063	266,326	114,520	37	9			2,852	4	3	1
Grand Forks	28	408,508	185,852	1,279,743	575,884	32	26		2	9,287	6	2	4
Grant	22	652,366	292,710	1,024,861	440,690	64	20		2	11,250	8	3	5
Griggs	21	388,571	175,532	647,032	291,164	60	21			10,620	8	3	5
Hettinger	18	565,749	242,366	861,434	370,417	66	18			16,772	7	2	5
Kidder	25	644,418	283,922	859,796	378,310	75	22	3		17,418	7	3	4
La Moure	42	1,029,977	467,830	1,235,180	555,831	83	40		2	29,376	11	3	8
Logan	20	553,813	238,862	1,052,555	452,599	53	20			16,320	6	3	3
McHenry	49	585,430	250,217	1,279,603	550,229	46	46	1	2	16,409	7	4	3
McIntosh	29	1,013,955	435,040	1,002,493	451,122	(2)	28		1	27,866	11	1	10
McKenzie	18	177,482	72,653	374,815	161,170	47	18			5,188	7	4	3

[1] To prevent the disclosure of individual operations the totals for the following counties are omitted but are included in the State total: Adams, 6 cream stations; Billings, 7; Slope, 8.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
NORTH DAKOTA—Continued													
McLean	50	784,433	334,124	1,197,579	514,959	66	50			22,760	9	5	4
Mercer	22	407,566	169,193	875,401	376,422	47	22			11,534	5	3	2
Morton	36	679,840	294,670	1,401,072	602,461	49	35		1	19,894	5	3	2
Mountrail	23	418,264	184,514	1,142,196	491,144	37	20		3	9,620	6	5	1
Nelson	36	727,197	328,924	1,222,063	549,928	60	34		2	15,986	7	3	4
Oliver	7	127,419	54,845	593,865	255,362	22	7			3,425	3	3	
Pembina	39	486,670	216,609	897,870	395,063	54	39			13,303	7	2	5
Pierce	20	313,155	136,542	637,586	280,538	49	20			9,093	5	3	2
Ramsey	32	528,493	230,641	924,561	406,807	57	32			14,567	6	3	3
Ransom	31	746,441	330,372	1,051,883	473,347	71	31			21,394	10	3	7
Renville	19	429,027	185,847	585,060	251,576	73	18		1	12,203	4	3	1
Richland	63	935,147	416,659	1,716,885	772,598	55	62		1	26,117	16	3	13
Rolette	19	269,683	112,806	652,154	286,948	41	19			7,533	4	2	2
Sargent	36	520,973	227,572	1,069,768	490,396	48	35		1	15,160	11	3	8
Sheridan	22	304,749	129,232	818,599	351,998	37	22			8,969	7	3	4
Sioux	9	113,571	48,853	247,144	106,272	46	9			3,486	8	3	5
Stark	30	488,271	205,270	730,978	314,321	67	28		2	13,615	5	3	2
Steele	18	372,157	169,742	670,088	301,540	56	18			11,095	5	2	3
Stutsman	57	1,132,692	500,044	1,953,189	878,935	58	52	2	3	21,223	11	6	5
Towner	21	269,688	114,674	628,843	276,691	43	21			7,479	6	3	3
Traill	26	387,172	173,838	933,636	420,136	42	26			10,308	7	2	5
Walsh	32	484,635	211,046	952,734	419,203	51	31	1		13,153	8	3	5
Ward	30	702,259	317,406	1,410,777	606,634	50	28	1	1	13,529	7	4	3
Wells	33	506,083	214,314	1,063,758	468,054	48	33			13,913	11	4	7
Williams	27	349,989	148,171	850,560	365,741	41	25	1	1	8,880	4	2	2
Unclassified	4	40,924	18,097				4			1,200	4	3	1
Not reported by any creamery	36	1,204,629	523,055				14	1	21	7,139			
OHIO													
State total: Cream stations—Number, 1,166; butterfat, 21,223,508 pounds; value, $9,127,726.													
Total [1]	1,120	19,648,338	8,442,575	45,682,890	20,648,759	43	873	114	133	471,859	48	39	9
Adams	30	609,725	256,663	694,653	298,701	88	24		6	10,237	4	4	
Allen	19	636,623	295,542	723,993	333,037	88	9	6	4	8,864	6	4	2
Auglaize	13	115,551	55,776	1,004,191	451,886	12	9	2	2	2,600	3	2	1
Belmont	4	49,308	20,378	436,084	204,959	11	3		1	771	3	3	
Brown	48	730,079	313,167	1,051,716	452,238	69	39		9	13,538	7	7	
Butler	10	106,946	47,238	249,320	109,701	43	8	1	1	2,564	8	6	2
Champaign	19	372,472	152,899	625,240	281,358	60	15	3	1	9,018	10	9	1
Clark	7	186,922	88,487	434,755	195,640	43	4	3		3,556	3	3	
Clermont	21	312,836	131,070	757,391	333,252	41	20		1	7,914	6	6	
Clinton	18	323,818	133,904	467,105	205,526	69	17	1		10,895	8	7	1
Coshocton	11	168,749	74,625	734,034	344,996	23	8	1	2	3,407	5	5	
Crawford	17	427,498	198,731	959,866	441,538	45	11		6	9,343	8	8	
Darke	42	550,179	244,347	1,789,664	805,349	31	29	10	3	18,591	12	7	5
Delaware	14	233,390	95,077	267,450	120,353	87	10		4	5,656	6	6	
Fairfield	17	312,213	122,047	1,028,330	462,749	30	12	3	2	8,520	5	5	
Fayette	9	150,378	49,938	275,552	123,998	55	7	2		3,633	3	3	
Fulton	11	211,876	96,985	441,497	203,089	48	9	2		5,649	4	2	2
Greene	14	273,144	86,703	275,308	121,136	99	6	8		7,736	4	4	

[1] To prevent the disclosure of individual operations the totals for the following counties are not listed separately but are included in the State total: Ashland, 4 cream stations; Ashtabula, 2; Athens, 12; Carroll, 3; Columbiana, 3; Defiance, 5; Erie, 2; Franklin, 3; Gallia, 9; Hamilton, 2; Harrison, 10; Holmes, 12; Jefferson, 1; Mahoning, 2; Medina, 2; Portage, 1; Scioto, 6; Summit, 1; Trumbull, 1; Vinton, 8.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (Ibs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
OHIO—Continued													
Guernsey	13	278,813	120,393	618,529	278,338	45	9		4	2,580	5	5	
Hancock	14	562,938	263,758	1,137,966	523,464	50	10	1	3	13,562	6	6	
Hardin	20	432,589	199,759	601,135	270,511	72	17	1	2	11,413	8	8	
Henry	12	180,068	78,230	483,108	222,230	37	7	2	3	3,299	7	7	
Highland	45	719,664	281,753	718,597	308,997	(2)	41	3	1	18,785	9	8	1
Hocking	8	131,562	56,209	314,861	138,539	42	7		1	2,188	4	4	
Huron	18	318,663	144,939	517,164	237,895	62	13		5	7,048	5	5	
Jackson	10	206,742	65,800	269,498	115,884	77	8	2		4,162	4	4	
Knox	15	165,857	71,477	1,211,575	545,209	14	15			5,964	5	5	
Lawrence	8	81,233	32,272	145,948	62,758	56	8			2,960	3	3	
Licking	18	412,416	176,566	809,171	364,127	51	13	1	4	9,102	5	5	
Logan	28	371,550	174,682	798,086	359,139	47	23	1	4	11,118	8	8	
Lucas	6	65,430	26,403	88,568	40,741	74	2		4	425	3	3	
Madison	18	361,544	127,695	294,145	132,365	(2)	10	5	3	5,862	5	5	
Marion	22	301,631	138,314	358,052	161,123	84	18	1	3	8,509	5	5	
Meigs	19	163,188	63,336	426,389	187,611	38	19			4,848	5	5	
Mercer	15	260,431	119,377	911,297	410,084	29	9	5	1	7,538	5	2	3
Miami	20	368,478	173,357	830,167	373,575	44	11	8	1	11,760	6	5	1
Monroe	13	153,714	63,625	747,765	336,494	21	12		1	3,860	4	3	1
Montgomery	9	302,438	130,831	356,237	156,744	85	7	2		10,448	6	4	2
Morgan	9	76,608	32,791	465,824	204,963	16	6		3	994	3	3	
Morrow	25	466,884	209,564	860,922	387,415	54	22		3	9,991	8	8	
Muskingum	17	505,860	217,785	759,584	341,813	67	13	1	3	9,157	6	6	
Noble	14	257,131	105,381	764,484	344,018	34	10		4	3,042	4	4	
Ottawa	7	114,535	51,720	153,386	70,788	74	5	1	1	2,645	5	5	
Paulding	14	251,259	110,095	401,992	184,916	63	10	4		6,769	7	4	3
Perry	7	147,096	66,450	512,699	225,588	29	4		2	2,550	3	3	
Pickaway	15	231,549	97,445	521,822	234,820	44	13		2	6,022	4	4	
Pike	16	205,322	68,665	233,077	100,223	88	14		2	5,449	4	4	
Preble	22	381,734	171,521	751,305	330,574	51	19	3		11,896	7	5	2
Putnam	21	317,892	137,079	792,916	364,741	40	14	5	2	6,555	6	4	2
Richland	13	311,867	142,156	818,963	376,723	38	11		2	10,204	4	4	
Ross	18	247,208	91,207	384,807	173,163	64	16	1	1	5,724	5	5	
Sandusky	13	325,578	147,205	598,017	275,088	54	9	2	2	8,471	5	5	
Seneca	16	314,886	136,275	1,220,389	561,379	26	14		2	7,251	7	7	
Shelby	9	210,340	90,133	1,222,477	550,115	17	8		1	6,544	4	4	
Tuscarawas	10	69,714	30,195	414,804	194,958	17	10			2,213	4	3	1
Union	18	270,359	108,985	341,527	153,687	79	13	1	4	3,602	5	5	
Van Wert	15	285,045	134,312	653,415	300,571	44	6	9		10,909	4	1	3
Warren	5	119,344	48,831	302,068	132,910	40	5			2,515	4	4	
Washington	16	158,251	63,458	593,339	261,069	27	14		2	4,137	6	5	1
Wayne	4	51,151	23,216	565,370	265,724	9	2	1	1	1,769	3	3	
Williams	11	356,741	164,397	859,917	395,562	42	6	4	1	11,030	7	3	4
Wood	22	364,340	167,927	502,893	231,331	72	19	1	2	8,511	8	8	
Wyandot	27	665,176	312,879	926,947	426,396	72	18	1	8	8,291	5	5	
Unclassified	11	73,725	29,914				11			2,162	5	5	
Not reported by any creamery	46	1,575,262	685,151				33	1	12	17,934			

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (Ibs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
OKLAHOMA													
State totals: Cream stations and concentrators—Total butterfat, 22,129,067 pounds; value, $9,089,519. Cream stations—Number, 1,638; butterfat, 21,521,414 pounds; value, $8,849,504. Concentrators—Number, 11; butterfat, 607,653 pounds; value, $240,015.													
Total [1]	1,620	21,158,445	8,704,386	33,145,029	13,541,759	64	1,491	33	96	501,763	48	21	27
Adair	7	58,560	22,499	160,623	65,855	37	7			1,664	5	1	4
Alfalfa	39	683,555	291,259	1,087,916	446,046	63	32	2	5	17,702	13	5	8
Atoka	10	42,558	16,836	126,221	51,751	34	9		1	1,185	6	5	1
Beaver	27	412,542	172,590	924,219	378,930	45	25		2	6,836	7	3	4
Beckham	32	640,140	269,937	569,582	227,833	(2)	24	2	6	10,671	7	5	2
Blaine	39	612,553	246,894	707,638	283,055	87	26	1	2	15,069	12	8	4
Bryan	27	193,604	79,105	267,663	109,742	72	26	1		5,258	10	6	4
Caddo	49	933,737	384,059	935,656	383,619	100	45		4	25,738	15	13	2
Canadian	25	360,194	148,840	617,804	253,300	58	21	1	3	8,936	8	7	1
Carter	14	225,380	92,996	345,478	141,646	65	14			6,242	5	4	1
Cherokee	15	129,726	52,672	183,315	75,159	71	15			3,897	7	2	5
Choctaw	10	42,058	16,467	144,042	59,057	29	10			1,204	4	2	2
Cimarron	17	202,250	80,136	224,288	91,958	90	17			5,641	6		6
Cleveland	18	208,528	83,079	258,533	106,122	81	17		1	5,446	5	4	1
Coal	10	87,447	36,900	157,355	64,516	56	10			2,052	5	4	1
Comanche	36	561,497	233,333	865,360	354,798	65	34	1	1	16,208	11	9	2
Cotton	12	243,933	111,189	517,465	212,161	47	11	1		7,188	4	4	
Craig	24	205,373	81,410	579,991	237,796	35	23	1		5,829	9	1	8
Creek	20	183,806	74,829	229,485	94,089	80	20			3,334	11	5	6
Custer	32	558,526	233,253	909,166	363,666	61	25	2	5	11,290	11	9	2
Delaware	18	85,517	34,584	292,257	119,825	29	18			2,001	9	2	7
Dewey	37	637,296	269,233	757,867	303,147	84	33	1	3	11,386	11	8	3
Ellis	25	458,805	180,329	807,636	331,131	57	23		2	9,307	8	3	5
Garfield	31	543,682	230,688	798,006	327,182	68	29	1	1	13,540	7	4	3
Garvin	24	336,734	137,007	458,228	187,873	74	24			9,031	8	5	3
Grady	26	400,535	161,518	655,261	268,657	61	25		1	12,749	7	6	1
Grant	45	521,762	225,262	769,648	315,576	68	24	2	19	9,408	9	4	5
Greer	16	254,713	102,327	290,545	119,123	88	16			6,827	5	4	1
Harmon	13	37,515	14,655	147,002	60,271	26	12		1	1,123	7	5	2
Harper	19	468,031	194,205	625,421	256,423	75	17	1	1	7,014	8	3	5
Haskell	13	144,762	60,788	169,542	69,512	85	13			3,302	6	3	3
Hughes	20	185,366	79,407	203,035	83,244	91	20			5,108	7	4	3
Jackson	20	124,664	53,438	171,875	70,469	73	20			2,639	8	7	1
Jefferson	19	255,359	104,940	317,451	130,155	80	17	2		6,646	8	8	
Johnston	18	101,401	42,580	193,642	79,393	52	18			2,917	7	5	2
Kay	31	399,971	163,384	441,969	181,207	91	22	1	8	7,029	11	7	4
Kingfisher	22	541,976	222,379	673,294	276,051	81	22			12,679	8	6	2
Kiowa	41	618,860	266,172	795,821	326,287	78	38	2	1	16,009	9	8	1
Latimer	6	36,044	15,106	69,761	28,602	52	6			907	3	2	1
Le Flore	12	65,574	26,853	172,945	70,907	38	12			1,481	6	3	3
Lincoln	49	609,741	247,156	912,065	373,947	67	47		2	14,984	11	6	5
Logan	28	321,233	124,374	451,106	184,953	71	24		4	5,744	9	7	2
Love	3	46,250	19,117	148,909	61,053	31	3			733	3	3	
McClain	14	166,306	65,301	343,122	140,680	49	14			4,491	4	4	
McIntosh	12	64,016	26,327	248,825	102,018	26	12			1,803	8	4	4

[1] To prevent the disclosure of individual operations totals for the following counties are not listed separately: McCurtain, 5 cream stations; Seminole, 4.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
OKLAHOMA—Continued													
Major	19	274,333	112,212	732,456	300,307	38	17	2	----	6,301	8	6	2
Marshall	8	100,098	40,360	191,670	78,585	52	8	----	----	2,769	5	5	----
Mayes	21	232,385	92,880	503,568	206,462	46	20	----	1	5,940	9	4	5
Murray	8	113,683	49,061	231,120	94,759	49	8	----	----	3,263	9	5	4
Muskogee	25	129,297	51,235	290,904	119,271	44	25	----	----	4,598	9	3	6
Noble	15	281,431	117,528	510,030	209,112	55	13	1	1	5,144	9	5	4
Nowata	16	145,294	57,765	297,146	121,830	49	16	----	----	4,007	8	1	7
Okfuskee	12	134,778	54,785	198,984	81,583	68	12	----	----	3,567	5	5	----
Oklahoma	15	165,632	67,898	286,353	117,405	58	14	----	1	4,234	4	4	----
Okmulgee	14	144,965	59,002	160,170	65,670	91	14	----	----	3,810	8	4	4
Osage	15	173,351	70,233	326,678	133,938	53	15	----	----	3,421	6	2	4
Ottawa	14	150,499	61,673	254,091	104,177	59	14	----	----	4,480	5	1	4
Pawnee	25	297,689	118,119	535,676	219,627	56	24	----	1	6,561	11	4	7
Payne	29	424,277	164,387	727,389	298,221	58	28	----	1	10,989	10	5	5
Pittsburg	20	235,327	96,740	338,601	138,826	70	20	----	----	6,424	8	5	3
Pontotoc	10	126,381	51,914	265,571	108,884	48	10	----	----	3,175	6	4	2
Pottawatomie	16	165,886	65,275	291,418	119,481	57	16	----	----	4,495	3	3	----
Pushmataha	7	19,848	7,280	58,803	24,146	24	7	----	----	475	5	4	1
Roger Mills	41	555,997	243,111	714,642	285,857	78	37	----	3	10,928	7	5	2
Rogers	13	181,721	71,100	299,172	122,661	61	12	----	1	4,973	7	1	6
Sequoyah	12	35,622	14,103	132,172	54,191	27	12	----	----	1,115	8	3	5
Stephens	26	381,604	148,387	479,563	196,621	80	24	1	1	10,095	11	9	2
Texas	21	342,264	134,240	728,936	298,864	47	20	1	----	9,804	8	----	8
Tillman	17	108,121	44,049	355,300	145,673	30	15	1	1	3,055	9	8	1
Tulsa	14	162,911	66,457	141,881	58,171	(2)	13	----	1	3,031	9	3	6
Wagoner	11	86,315	34,317	267,317	109,600	32	11	----	----	2,494	6	1	5
Washington	16	66,787	27,284	153,262	62,837	44	16	----	----	1,497	9	1	8
Washita	47	696,255	293,537	1,111,470	444,588	63	40	2	5	14,117	10	7	3
Woods	32	603,370	243,829	863,060	353,855	70	27	2	3	16,039	11	4	7
Woodward	27	480,626	196,698	866,825	355,398	55	24	----	3	8,642	7	3	4
Unclassified	20	87,391	36,463	----	----	----	20	----	----	1,102	10	6	4
Not reported by any creamery	18	362,969	145,118	----	----	----	13	1	4	8,541	----	----	----

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

SOUTH DAKOTA

State totals: Cream stations and concentrators—Total butterfat, 25,630,161 pounds; value, $11,038,489.
Cream stations—Number, 1,139; butterfat, 24,885,029 pounds; value, $10,724,693.
Concentrators—Number, 5; butterfat, 745,132 pounds; value, $313,796.

Total[1]	1,112	24,087,486	10,350,861	50,438,485	22,061,842	49	1,020	37	55	696,805	43	18	30
Armstrong													
Aurora	9	299,645	132,967	855,986	368,074	35	8	1	----	10,065	4	2	2
Beadle	29	763,043	334,445	1,301,028	559,442	59	26	----	3	23,292	11	5	6
Bennett	8	114,962	48,253	192,398	84,655	60	8	----	----	3,622	4	----	4
Bon Homme	22	430,725	180,898	843,254	362,599	51	22	----	----	12,401	7	2	5
Brookings	29	535,656	231,411	1,798,968	791,546	30	28	----	1	16,029	10	3	7
Brown	29	485,373	209,216	1,986,539	878,077	45	27	----	2	14,205	10	4	6
Brule	17	311,470	135,567	412,506	177,378	76	14	3	----	9,548	6	2	4
Butte	6	237,191	96,326	469,967	202,086	51	6	----	----	7,320	4	1	3
Campbell	9	250,036	104,703	700,476	308,209	36	9	----	----	7,454	3	1	2

[1] To prevent the disclosure of individual operations totals for the following counties are not listed separately but are included in the State total: Buffalo, 1 cream station; Codington, 8; Harding, 1; Shannon, 2; Washabaugh, 3; Ziebach, 4.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
SOUTH DAKOTA—Continued													
Charles Mix	27	534,575	232,144	993,336	427,134	54	23	2	2	15,246	7	3	4
Clark	32	651,843	282,651	1,140,496	513,224	57	30	2	----	21,504	11	5	6
Clay	16	298,241	129,359	510,282	219,421	58	15	----	1	9,496	7	2	5
Corson	9	160,501	67,995	587,285	252,533	27	8	----	1	4,465	5	3	2
Custer	7	61,841	26,533	255,762	112,535	24	7	----	----	1,694	6	1	5
Davison	15	421,516	188,617	446,447	191,972	94	9	3	3	14,242	7	3	4
Day	11	138,088	60,500	1,692,148	761,467	8	10	----	1	4,176	7	2	5
Deuel	27	723,579	317,303	1,176,489	529,420	62	27	----	----	21,580	6	1	5
Dewey	8	204,016	85,279	333,369	143,349	61	8	----	----	5,925	3	2	1
Douglas	16	527,212	229,738	742,190	319,142	71	16	----	----	17,766	8	2	6
Edmunds	21	615,394	264,552	861,514	379,066	71	18	1	2	15,345	10	5	5
Fall River	9	270,970	112,544	464,514	204,386	58	8	1	----	7,086	7	2	5
Faulk	29	465,383	202,847	623,195	274,206	74	28	1	----	13,610	9	4	5
Grant	24	500,249	221,037	1,257,204	565,742	40	21	1	2	13,775	10	3	7
Gregory	32	448,278	188,962	890,271	382,817	50	31	1	----	12,017	9	2	7
Haakon	12	418,392	183,446	450,391	198,172	93	9	----	3	11,073	6	3	3
Hamlin	21	340,070	148,269	980,532	441,239	35	21	----	----	10,533	9	3	6
Hand	21	406,089	184,375	968,483	416,448	42	16	----	5	11,403	10	5	5
Hanson	10	234,041	98,169	534,563	229,862	44	10	----	----	6,833	6	3	3
Hughes	11	161,828	69,176	232,983	100,183	70	10	----	1	5,371	7	2	5
Hutchinson	31	611,265	262,328	1,303,866	560,662	47	27	1	3	19,105	9	3	6
Hyde	9	284,066	122,454	392,089	168,598	72	7	----	2	3,804	6	2	4
Jackson	12	253,599	108,880	210,271	92,519	(2)	12	----	----	8,522	8	3	5
Jerauld	15	405,050	173,985	537,794	231,251	76	15	----	----	12,077	8	4	4
Jones	8	229,323	102,227	349,693	150,368	66	6	----	2	3,608	5	2	3
Kingsbury	35	737,020	318,597	1,217,336	523,454	61	35	----	----	22,530	11	5	6
Lake	21	432,200	184,525	996,035	428,295	43	17	3	1	13,747	11	7	4
Lincoln	30	360,475	153,345	1,038,111	456,769	35	20	----	----	11,175	9	5	4
Lyman	16	308,285	127,077	557,103	239,554	55	16	----	----	9,366	5	1	4
McCook	19	347,444	146,125	914,466	393,220	38	17	1	1	10,817	7	4	3
McPherson	16	400,571	171,805	1,052,716	463,195	38	14	1	1	11,965	8	2	6
Marshall	26	367,265	160,098	1,029,281	463,176	36	25	----	1	9,662	10	2	8
Meade	21	578,852	246,723	955,638	420,481	61	20	----	1	16,396	6	3	3
Mellette	8	177,927	80,352	344,108	147,966	52	8	----	----	5,800	5	1	4
Miner	26	421,708	181,784	918,398	394,911	46	23	----	2	12,492	10	5	5
Minnehaha	30	1,220,125	507,148	1,917,391	843,652	64	22	6	2	23,110	9	5	4
Moody	14	238,622	106,838	1,065,238	468,705	22	13	----	1	6,206	9	6	3
Pennington	17	405,464	176,326	659,880	290,347	61	17	----	----	12,240	6	3	3
Perkins	14	255,162	106,952	790,349	339,850	32	11	----	3	6,291	4	2	2
Potter	13	500,020	218,385	522,305	229,814	96	12	----	1	17,929	6	4	2
Roberts	22	791,336	347,032	1,866,194	839,787	42	20	2	----	24,898	11	1	10
Sanborn	22	385,929	161,570	1,177,371	522,427	75	21	1	----	11,319	9	4	5
Spink	31	565,808	246,843	1,019,996	448,798	56	27	2	2	14,783	11	5	6
Stanley	4	94,024	38,693	167,869	73,862	56	4	----	----	2,824	3	1	2
Sully	6	120,644	50,505	367,422	157,991	33	5	----	1	2,672	4	1	3
Todd	10	115,015	47,434	282,797	121,603	41	10	----	----	3,068	5	----	5
Tripp	21	612,078	269,012	1,090,416	468,879	56	17	2	2	16,087	10	2	8
Turner	30	654,076	269,941	1,247,574	536,386	52	30	----	----	20,333	8	3	5
Union	12	355,070	157,310	789,515	347,387	45	11	----	----	11,339	5	2	3
Walworth	10	238,032	102,758	537,361	235,439	44	9	1	----	8,635	7	5	2
Yankton	14	161,398	68,842	714,879	307,398	23	13	----	1	4,434	8	2	6
Unclassified	5	93,838	40,080	----	----	----	5	----	----	2,813	3	1	2
Not reported by any creamery	27	857,561	373,832	----	----	----	8	4	15	7,068	----	----	----

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES		CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture)		Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES			Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED		
		Pounds	Value (dollars)	Pounds	Value (dollars)		Commission	Salary	Independent		Total	Within State	In other States
TEXAS													
State totals: Cream stations—Number, 1,592; butterfat, 11,762,101 pounds; value, $4,591,178													
Total [1]	**1,583**	**11,668,707**	**4,556,349**	**28,701,033**	**11,363,589**	**41**	**1,467**	**33**	**83**	**286,670**	**32**	**15**	**17**
Armstrong	5	34,235	12,739	137,744	55,098	25	5			789	3	1	2
Austin	31	125,796	42,661	115,598	43,927	(2)	31			3,771	4	4	
Bailey	9	79,953	33,741	184,823	73,929	43	8	1		2,010	5	2	3
Bastrop	11	54,292	18,788	91,699	35,763	59	11			1,628	5	5	
Bell	13	84,295	31,924	270,155	105,360	31	13			2,225	5	5	
Bosque	17	89,642	33,789	283,562	110,586	32	15		2	2,286	4	4	
Briscoe	7	48,892	19,630	167,796	67,118	29	5	2		1,158	4	2	2
Brown	11	23,057	8,285	102,049	38,779	23	7	1	3	454	4	3	1
Burleson	10	41,182	14,522	63,908	24,924	64	10			1,237	3	3	
Callahan	8	19,875	7,379	98,256	37,337	20	6		2	515	4	3	1
Carson	5	41,866	16,652	114,872	45,949	36	5			1,068	3	1	2
Castro	13	108,298	44,684	320,212	128,085	34	12	1		1,701	5	2	3
Cherokee	9	37,986	14,157	46,510	18,139	52	9			974	4	3	1
Childress	6	64,723	26,378	162,477	64,991	40	5		1	1,343	4	1	3
Clay	9	59,874	22,579	236,092	94,437	25	9			1,322	6	3	3
Cochran	4	14,870	6,067	45,678	18,271	33	4			534	3	2	1
Coleman	17	67,729	26,008	180,799	68,704	38	12		5	1,470	4	3	1
Collin	9	55,730	20,305	193,099	77,240	29	9			1,589	5	5	
Collingsworth	9	70,920	28,876	215,065	86,026	33	9			1,869	5		5
Comanche	19	174,410	65,294	382,619	145,395	46	18		1	4,067	5	5	
Cooke	11	127,175	48,937	444,679	177,872	29	10		1	2,962	5	3	2
Coryell	29	201,177	75,549	287,300	112,047	70	27		2	5,323	3	3	
Crosby	11	208,797	89,546	344,722	137,889	61	9	2		5,463	2	2	
Dawson	15	182,247	76,771	266,198	109,141	69	14	1		4,592	5	2	3
Deaf Smith	4	27,178	11,448	205,087	82,035	13	4			388	4	1	3
Delta	5	9,682	3,545	30,359	11,840	32	5			290	3	3	
Denton	11	90,435	34,635	394,483	157,793	23	11			2,496	4	3	1
Dickens	10	43,026	19,186	136,639	54,656	32	7	1	2	840	4	3	1
Donley	6	65,013	25,725	227,240	90,896	29	6			1,727	5	1	4
Eastland	10	54,174	20,603	78,506	29,832	69	8		2	1,233	3	2	1
Ellis	7	16,448	6,294	83,808	32,685	20	6		1	483	3	3	
Erath	22	276,193	107,303	429,761	167,607	64	22			6,283	5	5	
Falls	11	42,968	15,570	104,285	40,671	41	11			1,193	4	4	
Fannin	20	91,034	32,594	164,119	65,648	56	19	1		2,769	6	5	1
Fayette	45	234,263	81,254	323,107	126,012	73	44	1		7,600	6	6	
Fisher	5	57,165	23,109	143,069	57,228	40	5			1,213	4	4	
Floyd	21	309,592	125,165	629,053	251,621	49	19	2		7,891	6	2	4
Fort Bend	11	23,052	7,336	24,400	9,272	95	11			694	4	4	
Franklin	6	25,266	8,218	83,772	32,671	30	6			578	4	4	
Gaines	4	83,517	34,233	67,693	28,431	(2)	3	1		1,949	4	2	2

[1] To avoid the disclosure of individual operations totals for the following counties are omitted, but are included in the State total: Anderson, 7 cream stations; Angelina, 1; Archer, 4; Atascosa, 3; Baylor, 3; Bee, 6; Bowie, 2; Brazoria, 3; Brazos, 3; Burnet, 11; Calhoun, 2; Camp, 3; Cass, 2; Coke, 1; Colorado, 14; Comal, 1; Concho, 3; Cottle, 4; Culberson, 2; Dallam, 1; Dallas, 2; De Witt, 11; Duval, 1; Foard, 2; Freestone, 5; Galveston, 1; Goliad, 5; Gonzales, 1; Gray, 3; Grimes, 8; Harris, 4; Harrison, 1; Hartley, 2; Hays, 3; Hidalgo, 2; Houston, 3; Howard, 1; Jack, 5; Jackson, 6; Jasper, 2; Jim Wells, 3; Karnes, 6; Kent, 1; Kerr, 1; Kimble, 2; Kleberg, 1; Lavaca, 13; Leon, 10; Live Oak, 2; Llano, 5; Martin, 1; Mason, 4; Mitchell, 3; Moore, 1; Morris, 5; Nacogdoches, 8; Nolan, 6; Nueces, 2; Oldham, 3; Panola, 5; Polk, 1; Randall, 2; Refugio, 2; Roberts, 1; Rusk, 8; San Jacinto, 1; San Patricio, 3; Stephens, 1; Stonewall, 6; Tarrant, 4; Throckmorton, 3; Trinity, 1; Victoria, 11; Walker, 3; Waller, 2; Wharton, 14; Wichita, 5; Wilbarger, 3; Wilson, 6; Yoakum, 2; Young, 4.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES		CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture)		Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES			Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED		
		Pounds	Value (dollars)	Pounds	Value (dollars)		Commission	Salary	Independent		Total	Within State	In other States
TEXAS—Continued													
Garza	8	119,095	51,014	99,159	39,664	(2)	7	1		2,982	5	2	3
Grayson	31	217,820	81,344	329,627	131,851	66	31			6,499	6	4	2
Hale	31	585,914	229,625	812,562	325,025	72	23	4	4	13,593	7	3	4
Hall	9	34,424	14,724	143,046	57,218	24	9			510	4	2	2
Hamilton	21	183,353	67,714	224,575	87,584	82	20		1	4,643	5	5	
Hansford	4	47,730	19,735	99,956	39,982	48	4			923	4		4
Hardeman	4	18,198	7,946	109,653	43,861	17	4			390	3		3
Haskell	5	15,436	6,375	123,788	49,515	13	2		3	97	3		2
Hemphill	6	40,052	17,717	118,895	47,558	34	6			798	4		4
Henderson	11	46,539	17,268	97,054	37,851	48	10		1	1,470	5	5	
Hill	22	144,653	55,953	230,915	90,057	63	21		1	3,067	6	5	1
Hockley	14	142,026	61,550	199,825	79,930	71	14			2,629	5	2	3
Hood	13	126,565	48,692	201,243	78,485	63	12		1	3,217	4	4	
Hopkins	19	84,892	30,221	434,254	169,359	20	18		1	2,217	5	5	
Hunt	12	38,563	14,570	244,023	97,609	16	11		1	988	6	5	1
Johnson	8	145,342	57,224	272,365	106,222	53	8			2,944	4	4	
Jones	11	26,397	10,548	119,521	47,808	22	8		3	449	3	2	1
Kaufman	11	59,963	21,334	129,914	51,966	46	10		1	1,526	5	5	
Knox	8	12,285	4,874	52,367	20,947	24	5		3	178	4	2	2
Lamar	16	53,352	18,859	134,095	52,297	40	16			1,562	5	4	1
Lamb	25	347,559	145,369	530,610	212,244	66	22	2	1	7,613	6	2	4
Lampasas	14	80,849	30,936	145,292	56,664	56	12		2	1,802	4	4	
Lee	4	10,092	3,608	184,888	72,106	6	3		1	240	3	3	
Limestone	12	43,962	16,028	69,620	27,152	63	11		1	1,263	5	4	1
Lipscomb	19	390,638	165,892	293,936	117,574	(2)	18		1	7,768	7		7
Luhbock	25	289,393	121,430	581,496	232,598	50	22	2	1	6,908	5	2	3
Lynn	15	162,629	71,093	255,459	102,184	64	13	2		4,213	6	3	3
McCulloch	7	59,710	21,767	119,586	45,443	50	6		1	1,767	3	3	
McLennan	24	148,033	56,479	208,503	81,316	71	21		3	3,704	7	6	1
Madison	8	25,459	8,729	48,574	18,944	52	8			765	3	3	
Matagorda	11	90,741	32,947	54,776	20,815	(2)	11			2,722	3	3	
Milam	14	89,240	32,280	96,885	37,785	92	14			2,595	5	5	
Mills	10	53,230	19,734	47,017	17,866	(2)	9		1	1,064	3	3	
Montague	20	88,333	34,031	368,658	147,463	24	20			1,950	5	3	2
Motley	6	19,418	8,127	70,356	28,142	28	6			333	5	2	3
Navarro	9	29,925	10,706	72,387	28,231	41	9			907	4	4	
Ochiltree	7	179,974	81,138	191,281	76,512	94	6		1	5,436	5	1	4
Palo Pinto	8	14,936	5,844	60,873	24,349	25	6		2	239	4	4	
Parker	13	138,995	54,441	377,574	151,030	37	11	1	1	2,832	4	4	
Parmer	8	116,677	47,789	251,234	100,454	46	8			980	4	1	3
Potter	4	66,061	25,795	45,024	18,010	(2)	3	1		1,694	3	2	1
Red River	8	36,632	12,908	151,868	59,229	24	8			1,207	4	4	
Robertson	8	14,923	4,845	17,164	6,694	87	8			412	3	3	
Runnels	9	68,307	26,217	182,212	69,241	38	6		3	1,455	4	3	1
San Saba	7	52,953	19,465	46,093	17,515	(2)	7			1,345	3	3	
Scurry	5	45,128	19,521	180,710	72,284	25	4		1	598	4	3	1
Shelby	16	45,441	16,361	70,065	27,325	65	16			1,516	5	5	
Sherman	3	32,014	12,373	108,104	43,242	30	3			772	3		3
Smith	8	33,971	12,239	77,064	30,055	44	7		1	1,077	5	3	2
Swisher	12	229,718	97,023	469,909	187,964	49	10	2		5,492	6	2	4
Taylor	9	43,680	17,053	142,011	53,964	31	5		3	623	4	3	1
Terry	12	241,741	103,155	226,187	90,475	(2)	11	1		5,261	5	2	3
Titus	13	21,336	7,545	122,990	47,966	17	12		1	679	4	3	1
Travis	7	15,633	5,606	58,579	22,846	27	6	1	1	508	4	4	
Upshur	16	74,758	26,734	81,192	31,665	92	16			2,167	4	4	

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

INTENTIONAL SECOND EXPOSURE

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (Ibs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
TEXAS													
State totals: Cream stations—Number, 1,592; butterfat, 11,762,101 pounds; value, $4,591,178													
Total [1]	1,583	11,668,707	4,556,349	28,701,033	11,363,589	41	1,467	33	83	286,670	32	15	17
Armstrong	5	34,235	12,739	137,744	55,098	25	5			789	3	1	2
Austin	31	125,796	42,661	115,598	43,927	(2)	31			3,771	4	4	
Bailey	9	79,953	33,741	184,823	73,929	43	8	1		2,010	5	2	3
Bastrop	11	54,292	18,788	91,699	35,763	59	11			1,628	5	5	
Bell	13	84,295	31,924	270,155	105,360	31	13			2,225	5	5	
Bosque	17	89,642	33,789	283,562	110,589	32	15		2	2,286	4	4	
Briscoe	7	48,892	19,630	167,796	67,118	29	5	2		1,158	4	2	2
Brown	11	23,057	8,285	102,049	38,779	23	7	1	3	454	4	3	1
Burleson	10	41,182	14,522	63,908	24,924	64	10			1,237	3	3	
Callahan	8	19,875	7,379	98,256	37,337	20	6		2	515	4	3	1
Carson	5	41,866	16,652	114,872	45,949	36	5			1,068	3	1	2
Castro	13	108,298	44,684	320,212	128,085	34	12	1		1,791	5	2	3
Cherokee	9	37,986	14,157	46,510	18,139	82	9			974	3	3	
Childress	6	64,723	26,378	162,477	64,991	40	5		1	1,343	4	1	3
Clay	9	59,874	22,579	236,092	94,437	25	9			1,322	6	3	3
Cochran	4	14,870	6,067	45,678	18,271	33	4			534	3	2	1
Coleman	17	67,729	26,008	180,799	68,704	38	12		5	1,470	4	3	1
Collin	9	55,730	20,305	193,099	77,240	29	9			1,589	5	5	
Collingsworth	9	70,920	28,876	215,065	86,026	33	9			1,869	5		5
Comanche	19	174,410	65,294	382,619	145,395	46	18		1	4,067	5	5	
Cooke	11	127,175	48,937	444,679	177,872	29	10		1	2,962	5	3	2
Coryell	29	201,177	75,549	287,300	112,047	70	27		2	5,323	3	3	
Crosby	11	208,797	89,546	344,722	137,889	61	9	2		5,463	4	2	2
Dawson	15	182,247	76,771	266,198	109,141	69	14	1		4,592	5	2	3
Deaf Smith	4	27,178	11,448	205,087	82,035	13	4			388	4	1	3
Delta	5	9,682	3,545	30,359	11,840	32	5			290	3	3	
Denton	11	90,435	34,635	394,483	157,793	23	11			2,496	4	3	1
Dickens	10	43,026	19,186	136,639	54,656	32	7	1	2	840	4	3	1
Donley	6	65,013	25,725	227,240	90,896	29	6			1,727	5	1	4
Eastland	10	54,174	20,603	78,506	29,832	69	8		2	1,233	3	2	1
Ellis	7	16,448	6,294	83,808	32,685	20	6		1	483	3	3	
Erath	22	276,193	107,303	429,761	167,607	64	22			6,283	5	5	
Falls	11	42,968	15,570	104,285	40,671	41	11			1,193	4	4	
Fannin	20	91,034	32,594	164,119	65,648	56	19	1		2,769	6	5	1
Fayette	45	234,263	81,254	323,107	126,012	73	44	1		7,660	6	6	
Fisher	5	57,165	23,109	143,069	57,228	40	5			1,213	4	4	
Floyd	21	309,592	125,165	629,053	251,621	49	19	2		7,891	6	2	4
Fort Bend	11	23,052	7,326	24,400	9,272	95	11			694	4	4	
Franklin	6	25,266	8,218	83,772	32,671	30	6			578	4	4	
Gaines	4	83,517	34,233	67,693	28,431	(2)	3	1		1,949	4	2	2

[1] To avoid the disclosure of individual operations totals for the following counties are omitted, but are included in the State total: Anderson, 7 cream stations; Angelina, 1; Archer, 4; Atascosa, 3; Baylor, 3; Bee, 6; Bowie, 2; Brazoria, 3; Brazos, 3; Burnet, 11; Calhoun, 2; Camp, 3; Cass, 2; Coke, 1; Colorado, 14; Comal, 1; Concho, 3; Cottle, 4; Culberson, 2; Dallam, 1; Dallas, 2; De Witt, 11; Duval, 1; Foard, 2; Freestone, 5; Galveston, 1; Goliad, 5; Gonzales, 1; Gray, 3; Grimes, 8; Harris, 4; Harrison, 1; Hartley, 2; Hays, 3; Hidalgo, 2; Houston, 3; Howard, 1; Jack, 5; Jackson, 6; Jasper, 2; Jim Wells, 3; Karnes, 6; Kent, 1; Kerr, 1; Kimble, 2; Kleberg, 1; Lavaca, 13; Leon, 10; Live Oak, 2; Llano, 5; Martin, 1; Mason, 4; Mitchell, 3; Moore, 1; Morris, 5; Nacogdoches, 8; Nolan, 6; Nueces, 2; Oldham, 3; Panola, 5; Polk, 1; Randall, 2; Refugio, 2; Roberts, 1; Rusk, 8; San Jacinto, 1; San Patricio, 3; Stephens, 1; Stonewall, 6; Tarrant, 4; Throckmorton, 3; Trinity, 1; Victoria, 11; Walker, 3; Waller, 2; Wharton, 14; Wichita, 5; Wilbarger, 3; Wilson, 6; Yoakum, 2; Young, 4.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (Ibs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
TEXAS—Continued													
Garza	8	119,095	51,014	99,159	39,664	(2)	7	1		2,982	5	2	3
Grayson	31	217,820	81,344	329,627	131,851	66	31			6,499	6	4	2
Hale	31	585,914	229,635	812,562	325,025	72	23	4	4	13,593	7	3	4
Hall	9	34,424	14,724	143,046	57,218	24	9			510	4	2	2
Hamilton	21	183,353	67,714	224,575	87,584	82	20		1	4,643	5	5	
Hansford	4	47,730	19,735	99,956	39,982	48	4			923	4		4
Hardeman	4	18,198	7,946	109,653	43,861	17	4			390	3		3
Haskell	5	15,436	6,375	123,788	49,515	13	2		3	97	3		2
Hemphill	6	40,052	17,717	118,895	47,558	34	6			798	4		4
Henderson	11	46,539	17,268	97,054	37,851	48	10		1	1,470	5	5	
Hill	22	144,653	55,953	230,915	90,057	63	21		1	3,067	6	5	1
Hockley	14	142,026	61,550	199,825	79,930	71	14			2,629	5	2	3
Hood	13	126,565	48,692	201,243	78,485	63	12		1	3,217	4	4	
Hopkins	19	84,892	30,221	434,254	169,359	20	18		1	2,217	5	5	
Hunt	12	38,563	14,570	244,023	97,609	16	11		1	988	6	5	1
Johnson	8	145,342	57,224	272,365	106,222	53	8			2,944	4	4	
Jones	11	26,397	10,548	119,521	47,805	22	8		3	449	3	2	1
Kaufman	11	59,963	21,334	129,914	51,966	46	10		1	1,526	5	5	
Knox	8	12,285	4,874	52,367	20,947	24	5		3	178	4	2	2
Lamar	16	53,352	18,859	134,095	52,297	40	16			1,562	5	4	1
Lamb	25	347,559	145,369	530,610	212,244	66	22	2	1	7,613	6	2	4
Lampasas	14	80,849	30,936	145,292	56,664	56	12		2	1,802	4	4	
Lee	4	10,092	3,608	184,888	72,106	6	3		1	240	3	3	
Limestone	12	43,962	16,028	69,620	27,152	63	11		1	1,263	5	4	1
Lipscomb	19	390,638	165,892	293,936	117,574	(2)	18		1	7,768	7		7
Lubbock	25	289,393	121,430	581,496	232,598	50	22	2	1	6,908	5	2	3
Lynn	15	162,629	71,093	255,450	102,184	64	13	2		4,213	6	3	3
McCulloch	7	59,710	21,767	119,586	45,443	50	6		1	1,767	3	3	
McLennan	24	148,933	56,479	208,503	81,316	71	21		3	3,704	7	6	1
Madison	8	25,459	8,729	48,574	18,944	52	8			765	3	3	
Matagorda	11	90,741	32,947	54,776	20,815	(2)	11			2,722	3	3	
Milam	14	89,240	32,280	96,885	37,785	92	14			2,295	5	5	
Mills	10	53,230	19,734	47,017	17,866	(2)	9		1	1,064	3	3	
Montague	20	88,333	34,031	368,658	147,463	24	20			1,950	5	3	2
Motley	6	19,418	8,127	70,356	28,142	28	6			333	5	2	3
Navarro	9	29,925	10,706	72,387	28,231	41	9			907	4	4	
Ochiltree	7	179,974	81,138	191,281	76,512	94	6		1	5,436	5	1	4
Palo Pinto	8	14,936	5,844	60,873	24,349	25	6		2	239	4	4	
Parker	13	138,995	54,441	377,574	151,030	37	11	1	1	2,832	4	4	
Parmer	8	116,677	47,789	251,234	100,454	46	8			980	4	1	3
Potter	4	66,061	25,795	45,024	18,010	(2)	3	1		1,604	3	2	1
Red River	8	36,632	12,908	151,868	59,229	24	8			1,207	4	4	
Robertson	8	14,923	4,845	17,164	6,694	87	8			402	3	3	
Runnels	9	68,307	26,217	182,212	69,241	38	6		3	1,455	4	3	1
San Saba	7	52,953	19,465	46,093	17,515	(2)	7			1,345	3	3	
Scurry	5	45,128	19,521	180,710	72,284	25	4		1	598	4	3	1
Shelby	16	45,441	16,361	70,065	27,325	65	16			1,516	5	5	
Sherman	3	32,014	12,373	108,104	43,242	30	3			772	3		3
Smith	8	33,971	12,239	77,064	30,055	44	7		1	1,077	5	3	2
Swisher	12	229,718	97,023	469,909	187,964	49	10	2		5,492	6	2	4
Taylor	9	43,680	17,053	142,011	53,964	31	5		3	623	4	3	1
Terry	12	241,741	103,155	226,187	90,475	(2)	11	1		5,261	5	2	3
Titus	13	21,336	7,545	122,990	47,966	17	12		1	679	4	3	1
Travis	7	15,633	5,606	58,579	22,846	27	5	1		508	4	4	
Upshur	16	74,758	26,734	81,192	31,665	92	16			2,167	4	4	

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

TABLE 2.—ASSEMBLING OF BUTTERFAT THROUGH CREAM STATIONS AND CONCENTRATORS—BY STATES AND COUNTIES: 1929—Continued

COUNTY	Number of cream stations	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Pounds	BUTTERFAT SHIPPED BY CREAM STATIONS REPORTED BY CREAMERY COMPANIES: Value (dollars)	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Pounds	CREAM SOLD AS BUTTERFAT BY FARMERS (Census of Agriculture): Value (dollars)	Per cent of farm sales (lbs.) reported by cream stations	CREAM STATIONS OPERATED ON VARIOUS BASES: Commission	Salary	Independent	Salaries, wages, and commissions paid cream station operators (dollars)	PLANTS TO WHICH BUTTERFAT IS SHIPPED: Total	Within State	In other States
TEXAS—Continued													
Van Zandt	16	74,842	27,038	234,144	91,316	32	16			2,119	4	4	
Washington	29	155,340	54,559	126,495	49,333	(2)	29			4,575	3	2	1
Wheeler	8	180,141	78,182	213,233	85,293	85	8			2,424	3		3
Williamson	28	220,723	83,727	363,713	141,848	61	26	1	1	4,631	6	5	1
Wise	22	126,760	50,187	512,003	205,041	25	22			2,311	5	3	2
Wood	15	57,961	21,447	202,115	78,825	29	14		1	1,675	6	5	1
Unclassified	13	27,526	10,297				12		1	596	8	5	3
Not reported by any creamery	9	93,394	34,829				7		2	1,521			

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

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State totals: Cream stations and concentrators—Total butterfat, 5,513,009 pounds; value, $2,384,778. Cream stations—Number 265; butterfat, 5,327,792 pounds; value, $2,295,351.

Total[1]	258	4,800,155	2,089,943	99,492,205	49,154,525	5	170	6	82	82,394	21	11	10
Adams	3	16,150	7,164	844,128	405,181	2	3			475	3	2	1
Ashland	9	69,511	31,401	635,415	292,291	11	7	1	1	1,439	5	3	2
Bayfield	6	122,386	57,419	1,184,453	568,537	10	6			3,211	4	2	2
Burnett	7	82,884	37,573	1,948,748	954,887	4	5	1	1	1,908	6	1	5
Crawford	11	175,330	74,061	1,606,498	771,119	11	10		1	4,318	5	4	1
Douglas	4	6,655	2,956	498,720	244,373	1	4			194	3	1	2
Grant	18	373,379	144,819	4,057,850	1,947,768	9	14		4	7,904	8	6	2
Iowa	9	317,616	126,727	931,961	447,341	34	8		1	7,680	4	2	2
Jackson	7	61,233	27,786	2,598,522	1,273,276	2	5		2	1,180	4	3	1
Lafayette	26	1,003,784	443,285	604,529	290,174	(2)	18		8	16,611	7	4	3
Marathon	5	21,949	9,879	944,129	472,065	2	1		4	309	3		
Pierce	12	131,799	57,772	4,330,127	2,078,461	3	12			4,212	4	1	3
Polk	8	86,696	40,449	5,055,696	2,576,405	2	6		2	1,399	4		4
Price	14	171,380	75,317	686,405	329,474	25	10		4	3,300	6	4	2
Richland	6	31,550	14,268	731,187	365,594	4	2		4	176	3	3	
Rusk	13	232,068	105,239	1,144,052	572,026	20	9	1	3	4,342	5	3	2
Sawyer	10	89,042	40,883	487,108	233,812	18	7		3	1,679	4	2	2
Trempealeau	3	19,222	8,415	4,995,368	2,497,684		3			488	3	1	2
Vernon	9	197,621	86,828	4,807,251	2,307,480	4	4	2	3	3,988	4	3	1
Washburn	9	74,553	33,239	1,165,075	559,236	6	8		1	1,579	5	1	4
Unclassified	1	962	530				1			25	1	1	
Not reported by any creamery	7	527,637	205,408				4		3	2,173			

[1] To prevent the disclosure of individual operations totals for the following counties are not listed separately but are included in the State total: Barron, 2 cream stations; Brown, 1; Chippewa, 4; Clark, 4; Columbia, 2; Dane, 7; Eau Claire, 1; Florence, 1; Forest, 2; Green, 4; Iron, 2; La Crosse, 1; Langlade, 1; Marinette, 6; Marquette, 3; Milwaukee, 1; Monroe, 1; Oconto, 1; Outagamie, 1; Pepin, 1; Portage, 3; Rock, 2; Sauk, 1; Sheboygan, 1; Taylor, 4; Waushara, 5; Wood, 6.

[2] The total shipment of butterfat by cream stations in this county exceeds the reported sales of butterfat by farmers. This is probably due to the receipt of butterfat from out-of-county farmers.

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TITLE